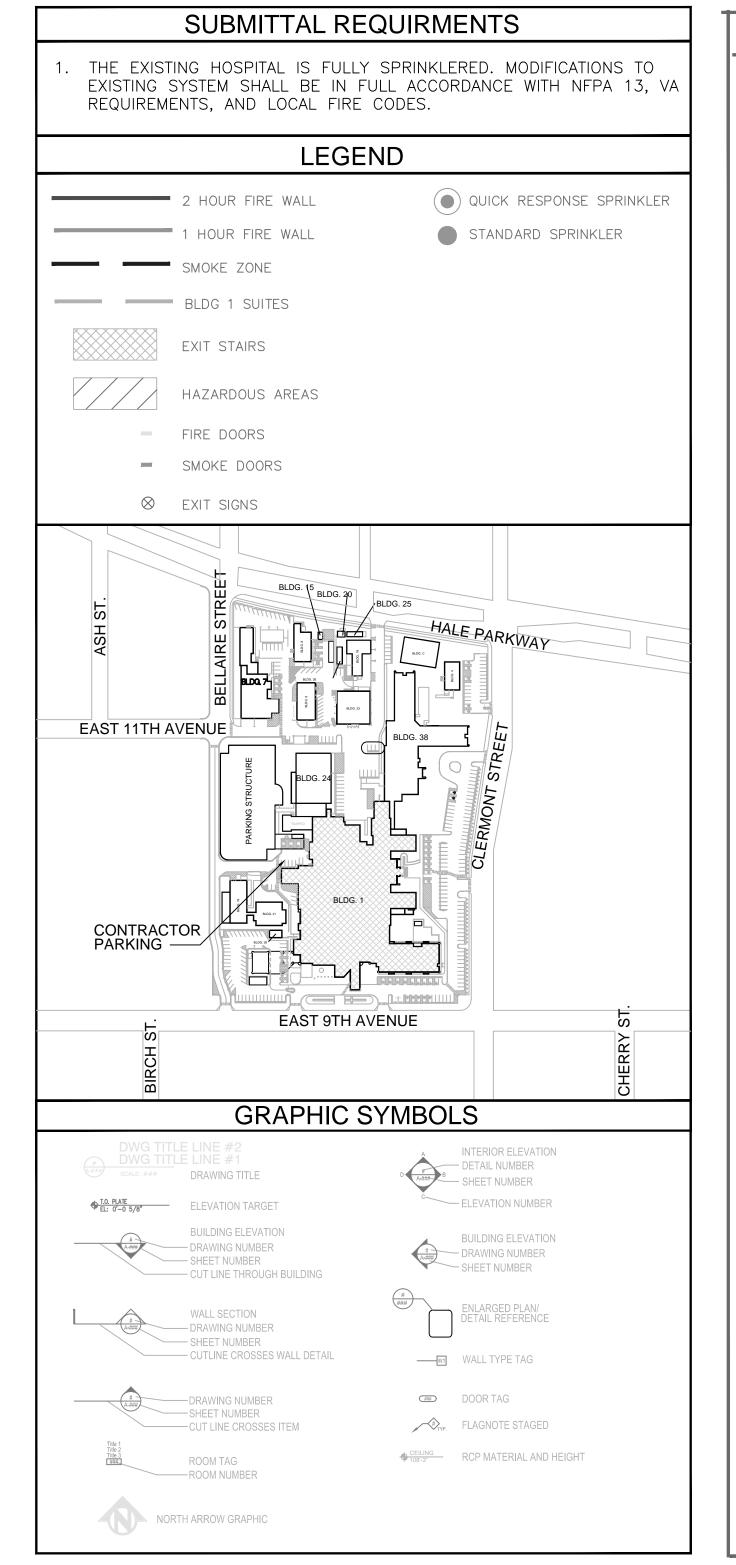
FY12 FIRE & LIFE SAFETY CORRECTIONS

PROJECT NO. 554-12-103

DEPARTMENT OF VETERANS AFFAIRS

EASTERN COLORADO HEALTH CARE SYSTEM

1055 CLERMONT ST. DENVER, CO 80220



INFECTION CONTROL RISK ASSESSMENT:

LOW RISK:

NO WORK SHALL COMMENCE WITHOUT PRIOR SCHEDULING AND APPROVAL FROM COTR. ALL FURNITURE, SHELVING AND EQUIPMENT TO REMAIN IN PLACE DURING CONSTRUCTION SHALL BE PROTECTED WITH PLASTIC SHEETING AND SEALED WITH TAPE. BLOCK OFF AND SEAL AIR VENTS. REMOVE OR ISOLATE HVAC SYSTEM IN AREAS WHERE WORK IS BEING PREFORMED. PLACE 24" X 30" DUST MATS AT ENTRANCE AND EXIT OF WORK AREA. REFRESH MATS FREQUENTLY DURING WORK SHIFTS TO KEEP AN EFFECTIVE STICKY SURFACE FOR DUST REMOVAL. PROVIDE ACTIVE MEANS TO PREVENT AIRBORNE DUST FROM DISPERSING INTO THE ATMOSPHERE. WATER MIST WORK SURFACES TO CONTROL DUST WHILE CUTTING. WIPE WORK SURFACE WITH DISINFECTANT. CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY COVERED CONTAINERS. ALL CEILING TILES REMOVED FOR SPRINKLER AND PIPE INSTALLATION SHALL BE REPLACED AT THE END OF EVERY WORK SHIFT TO MAINTAIN SMOKE BARRIER. USE A HEPA VACUUM ON EVERY TILE BEFORE REINSTALLATION. WET MOP AND / OR VACUUM WITH HEPA FILTERED VACUUM AT THE END OF EVERY WORK SHIFT. REMOVE ISOLATION OF HVAC SYSTEMS WHERE WORK IS BEING PREFORMED AFTER WORK HAS BEEN COMPLETED.

MEDIUM RISK:

NO WORK SHALL COMMENCE WITHOUT PRIOR SCHEDULING AND APPROVAL FROM COTR AND INFECTION CONTROL REPRESENTATIVE. ALL FURNITURE, SHELVING AND EQUIPMENT TO REMAIN IN PLACE DURING CONSTRUCTION SHALL BE PROTECTED WITH PLASTIC SHEETING AND SEALED WITH TAPE, TO PREVENT DIRT AND DEBRIS FROM CONTAMINATING AREAS ADJACENT TO CONSTRUCTION SITE, ISOLATE AREAS OF CONSTRUCTION USING TEMPORARY FIRE-RETARDENT POLYSTYRENE BARRIER WALL (MINIMUM 6 MIL THICKNESS), FULL HEIGHT FROM FLOOR TO CEILING, TAPE FULL PERIMETER OF SHEETING TO PROVIDE A DUST TIGHT SEAL, PLACE 24" X 30" DUST MATS AT ENTRANCE AND EXIT OF WORK AREA. REFRESH MATS FREQUENTLY DURING WORK SHIFTS TO KEEP AN EFFECTIVE STICKY SURFACE FOR DUST REMOVAL, PROVIDE PORTABLE AIR SCRUBBER(S) WITH HEPA FILTRATION TO MAINTAIN NEGATIVE AIR PRESSURE WITHIN THE CONSTRUCTION AREA, FILTERED AIR SHOULD DISCHARGE TO THE OUTSIDE THE BUILDING WHERE POSSIBLE, DISCHARGE AIR ABOVE THE CEILING WHEN WINDOW ACCESS IS NOT AVAILABLE, CONTAIN ALL DEBRIS ASSOCIATED WITH CONSTRUCTION IN SEALED BAGS OR SEALED CONTAINERS PRIOR TO REMOVING FROM CONSTRUCTION AREA. ALL CEILING TILES REMOVED FOR SPRINKLER AND PIPE INSTALLATION SHALL BE REPLACED AT THE END OF EVERY WORK SHIFT TO MAINTAIN SMOKE BARRIER, USE A HEPA VACUUM ON EVERY TILE BEFORE REINSTALLATION, WET MOP AND VACUUM WITH HEPA FILTERED VACUUM AT THE END OF EVERY WORK SHIFT. DO NOT REMOVE ANY PROTECTIVE BARRIERS UNTIL THE CONSTRUCTION AREA HAS BEEN APPROVED BY THE VA COTR AND INFECTION CONTROL REPRESENTATIVE, CLEAN AREA THOROUGHLY BEFORE SCHEDULING INSPECTION, CLEAN TEMPORARY BARRIERS AND REMOVE CAREFULLY TO MINIMIZE THE SPREAD OF DIRT AND DEBRIS,

HIGH RISK:

NO WORK SHALL COMMENCE WITHOUT PRIOR SCHEDULING AND APPROVAL FROM COTR. ALL FURNITURE, SHELVING AND EQUIPMENT TO REMAIN IN PLACE DURING CONSTRUCTION SHALL BE PROTECTED WITH PLASTIC SHEETING AND SEALED WITH TAPE, BLOCK OFF AND SEAL AIR VENTS, REMOVE OR ISOLATE HVAC SYSTEM IN AREAS WHERE WORK IS BEING PREFORMED. PLACE 24" X 30" DUST MATS AT ENTRANCE AND EXIT OF WORK AREA, REFRESH MATS FREQUENTLY DURING WORK SHIFTS TO KEEP AN EFFECTIVE STICKY SURFACE FOR DUST REMOVAL, PROVIDE ACTIVE MEANS TO PREVENT AIRBORNE DUST FROM DISPERSING INTO THE ATMOSPHERE, WATER MIST WORK SURFACES TO CONTROL DUST WHILE CUTTING, WIPE WORK SURFACE WITH DISINFECTANT, CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY COVERED CONTAINERS, ALL CEILING TILES REMOVED FOR SPRINKLER AND PIPE INSTALLATION SHALL BE REPLACED AT THE END OF EVERY WORK SHIFT TO MAINTAIN SMOKE BARRIER. USE A HEPA VACUUM ON EVERY TILE BEFORE REINSTALLATION, WET MOP AND / OR VACUUM WITH HEPA FILTERED VACUUM AT THE END OF EVERY WORK SHIFT, REMOVE ISOLATION OF HVAC SYSTEMS WHERE WORK IS BEING PREFORMED AFTER WORK HAS BEEN COMPLETED,

GENERAL NOTES	INDEX	OF DRAWINGS	
	DWG NO	D. DRAWING TITLE	SHEET OF #
1. ALL PERSONNEL WORKING ON THIS PROJECT SHALL HAVE CERTIFICATION IN THE WORK SHOWN - FIRE PENETRATIONS AND CAULKING AND SHALL HAVE THEIR CERTIFICATIONS ON FILE WITH THE COTR PRIOR TO BEGINNING WORK. USE AN APPROVED FIRESTOPPING SYSTEM SUCH AS HILTI, 3M OR EQUIVALENT. REPAIR AS PER MANUFACTURER INSTRUCTIONS AND CERTIFICATIONS. LABEL USING MANUFACTURER LABEL WITH ALL INFORMATION COMPLETED FOR EACH PENETRATION	GI 001 GI 002	GENERAL INDEX, INFECTION CONTROL NOTES LIFE SAFETY ASSESSMENT NOTES	1 OF 34 2 OF 34
SEALED.		FIRE PROTECTION	
2. ALL WORK WILL COMPLY WITH NFPA CODE, INTERNATIONAL BUILDING CODE AND VA LIFE SAFETY REGULATIONS AND POLICIES. FIRE ALARM WORK = SIMPLEX GRINNELL. WHEN REPLACING FIRE		DUIL DING 4 DAGENENT 4	0.0504
SPRINKLER HEADS, MATCH THE MAJORITY OF THE EXISTING IN THE SAME AREA. IF THE	FP100A	BUILDING 1, BASEMENT A	3 OF 34
CONTRACTOR HAS QUESTIONS AS TO WHICH TO INSTALL, CONSULT THE COTR. LOCATIONS SHOWN ON PLANS FOR SPRINKLER HEAD/PIPING ARE APPROXIMATE. INSTALL SPRINKLER HEADS TO COMPLY	FP100B FP101A	BUILDING 1, BASEMENT B BUILDING 1, 1ST FLOOR A	4 OF34
WITH NFPA CODE AS TO LOCATION, SPACING AND TYPE, ETC.	FP101A FP102A	BUILDING 1, 2ND FLOOR A	5 OF 34 6 OF 34
	FP102B	BUILDING 1, 2ND FLOOR B	7 OF 34
3. EACH FLOOR HAS A KEYMAP OF THE FIRE AND SMOKE BARRIERS ON ITS "A" SHEET. IF AN AREA HAS	FP103A	BUILDING 1, 3RD FLOOR A	8 OF 34
TWO DIFFERENT FIRE/SMOKE RATINGS, PATCH TO THE MORE STRINGENT LEVEL.	FP103B	BUILDING 1, 3RD FLOOR B	9 OF 34
4. CONTRACTOR TO USE ONLY THOSE ELEVATORS SPECIFIED IN THE SPECIFICATION FOR	FP103C	BUILDING 1, 3RD FLOOR C	10 OF 34
CONSTRUCTION MATERIALS OR STAFF. RE: GENERAL CONDITIONS	FP104A	BUILDING 1, 4TH FLOOR A	11 OF 34
5 CONTRACTOR ENCOLIRACED TO VISIT ALL AREAS OF WORK INCLLIDING WALKING THE SITE MEASURE	FP104B	BUILDING 1, 4TH FLOOR B	12 OF 34
5. CONTRACTOR ENCOURAGED TO VISIT ALL AREAS OF WORK, INCLUDING WALKING THE SITE, MEASURE EXISTING DIMENSIONS AND OBSERVE EXISTING CONDITIONS BEFORE BIDDING WORK, ORDERING	FP104C	BUILDING 1, 4TH FLOOR C	13 OF 34
MATERIALS, OR STARTING ANY CONSTRUCTION.	FP104D	BUILDING 1, 4TH FLOOR D	14 OF 34
	FP105A FP105B	BUILDING 1, 5TH FLOOR A BUILDING 1, 5TH FLOOR B	15 OF 34 16 OF 34
5. CONTRACTOR TO RECYCLE REMOVED MATERIALS WHENEVER POSSIBLE. MONEY FROM THE RECYCLED MATERIALS WILL BE CREDITED TO THE CONTRACTOR, BUT THE VA REQUIRES A RECEIPT	FP105B	BUILDING 1, 5TH FLOOR C	17 OF 34
FROM THE RECYCLING YARD, FOR ALL RECYCLED ITEMS, WITH THE PROJECT NAME, NUMBER, DATE,	FP106A	BUILDING 1, 6TH FLOOR A	17 OF 34
RECYCLED MATERIAL AND WEIGHT. CONTACT KEN NEVELING, VA GEMS COORDINATOR, X2613, FOR	FP106A FP106B	BUILDING 1, 6TH FLOOR B	19 OF 34
SPECIFICS.	FP106C	BUILDING 1, 6TH FLOOR C	20 OF 34
6. CONTRACTOR TO COMPLETE WORK DURING BUSINESS HOURS WHENEVER POSSIBLE. THE WORK IS	FP106D	BUILDING 1, 6TH FLOOR D	21 OF 34
NOT TO INTERFERE WITH PATIENT CARE. IF CERTAIN AREAS OF WORK NEED TO BE COMPLETED	FP107A	BUILDING 1, 7TH FLOOR A	22 OF 34
AFTER HOURS, IT WILL NEED TO BE COORDINATED WITH THE OWNER AND PHASED ACCORDINGLY.	FP107B	BUILDING 1, 7TH FLOOR B	23 OF 34
Z ALL FIRE AND OMOVE DADDIED WALL ONEED TO DE COMPLETED WITH IVE MATERIAL O	FP107C	BUILDING 1, 7TH FLOOR C	24 OF 34
7. ALL FIRE AND SMOKE BARRIER WALLS NEED TO BE COMPLETED WITH LIKE MATERIALS.	FP107D	BUILDING 1, 7TH FLOOR D	25 OF 34
8. CONTRACTOR TO CLEAN ALL AREAS OF WORK UPON COMPLETION. INCLUDING BUT NOT LIMITED TO	FP108A FP108B	BUILDING 1, 8TH FLOOR A BUILDING 1, 8TH FLOOR B	26 OF 34
ALL EXISTING EQUIPMENT, FIXTURES, LIGHTS, WINDOWS, BLINDS, AND REGISTERS.	FP108C	BUILDING 1, 8TH FLOOR C	27 OF 34
A LE ADEAC DE CONCEDICEION ADE DAMACED CONTRACTOR CHALL DATCH DAINT AND DEDAID WALL	FP108C	BUILDING 1, 9TH FLOOR	28 OF 34 29 OF 34
9. IF AREAS OF CONSTRUCTION ARE DAMAGED, CONTRACTOR SHALL PATCH, PAINT, AND REPAIR WALL AND CEILING SURFACES TO A "LIKE NEW" FINISH. IF ANY ADJACENT FINISH SURFACES ARE	FP110A	BUILDING 1, 10TH FLOOR	30 OF 34
AFFECTED, PROVIDE A SEAMLESS TRANSITION AND FINISH LEVEL PER SPECIFICATIONS.	FP111A	BUILDING 38, 1ST FLOOR	31 OF 34
10. SPRINKLER SYSTEM DRAIN DOWN NEEDS TO BE COORDINATED WITH VA COTR AND PLUMBERS. FIRE WATCH WILL BE REQUIRED FOR OUTAGES LASTING MORE THAN 4 HOURS IN A 24 HOUR PERIOD.		SAFETY	
	SAF 000	DOOR THRESH HOLD REPLACEMENT SCHEDULE	22.25.24
11. NIGHT WORK REQUIREMENTS: ALL NIGHT WORK CANNOT BEGIN UNTIL AFTER NORMAL HOURS AND ALL DEBRIS ASSOCIATED WITH CONSTRUCTION MUST BE FULLY CLEANED BEFORE THE BEGINNING	SAF 000	EYEWASH INSTALLATIONS - BUILDINGS 19 AND 21	32 OF 34 33 OF 34
OF THE FOLLOWING WORK DAY.	SAF 002	DOOR REPLACEMENT SCHEDULE	34 OF 34
42 WEEKEND WORK DEOLUDEMENTS. ALL WEEKEND WORK MAY DEOIN AFTER NORMAL WORKING			
12. WEEKEND WORK REQUIREMENTS: ALL WEEKEND WORK MAY BEGIN AFTER NORMAL WORKING HOURS ON FRIDAY AND ALL DEBRIS ASSOCIATED WITH CONSTRUCTION MUST BE FULLY CLEANED BEFORE THE BEGINNING OF THE WORK HOURS ON THE FOLLOWING MONDAY.			
PHASING	-		
1. DAY WORK: MONDAY THROUGH FRIDAY 7:30 AM — 4:00 PM			
2. NIGHT WORK OR WEEKEND WORK, MONDAY THROUGH FRIDAY 4:00 PM — 7:30AM OR WEEKENDS			
PROJECT DESIGN TEAM			
	1		
OWNER OWNER'S CONTRACTING OFFICER	<u> </u>		
U.S. DEPARTMENT OF VETERANS AFFAIRS VISN 19 CONTRACTING OFFICER VA ECHCS MEDICAL CENTER (MS FMS/138) ROCKY MOUNTAIN CONSOLIDATED			
1055 CLERMONT STREET CONTRACTING			
DENVER, CO 80220-3808 4100 E. MISSISSIPPI AVE., SUITE 900 GLENDALE, CO 80246			
ARCHITECT / DESIGN			
MICHELE KAYEN			
PH:303.399.8020 EXT. 2664 FAX:303.393.2894			
ABBREVIATIONS			
(E) EXISTING DR. DRIVE	 		
(N) NEW ST. STREET			
N.Í.C. NOT IN CONTRACT CMU CONCRETE MASONRY UNIT			
	I		
E.T.S. EXPOSED TO STRUCTURE EQ. EQUAL			
E.T.S. EXPOSED TO STRUCTURE EQ. EQUAL N.T.S. NOT TO SCALE STL. STAINLESS SIM. SIMILAR NR. NOT RATED			

100% CONISTRUCTION DOCUMENTS - FULLY SPRINKLERED

|ska|

 MRK
 100% DOCUMENTS
 06.15.12

 MRK
 95% DOCUMENTS
 06.01.12

 MRK
 65% DOCUMENTS
 05.21.12

 By
 Revisions
 Date

GENERAL NOTES:

1. SCALED DIMENSIONS & ARCHITECTURAL FEATURES MAY NOT BE CORRECT.
2. CONTRACTORS & A/E's ARE RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS WITHIN THE PROJECT AREA.

DEPARTMENT OF VETERANS AFFAIRS
MEDICAL CENTER
1055 Clermont Street
Denver, Colorado, 80220

SIMILAR

SOUTH

BUILDING

INCORPORATED

NR.

CJ

A.F.F.

Q.R.S

NOT RATED

EXPANSION JOINT

CONTROL JOINT

ABOVE FINISHED FLOOR

QUICK RELEASE SPRINKLE

Approved: Section Chief

SIM.

BLDG.

INC.

100%	JUNJIKU	STICIN POCHMENTS	- 1 ULL I		
Drawing Title		Project Title		Date	_ S
GENERAL INDEX		FY12 FIRE AND	6/15/2012	t o	
		SAFETY CORREC		Project No.	en: Aff
		SAFETT CORREC	TIONS	554-12-103	th Sc
Approved: Service Chief	Drawn	Building Number	Title Block	DRAWING No	arl
	MRK	1	By		∥ å ē

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NA

Checked

APPLICABLE REFERENCES NFPA 101R, Life Safety CodeR, 2012 Edition 2006International Building Code Note: The codes-based language provided herein is extracted from the Life Safety Code. Be sure to always check the exceptions to any code requirement.

2-HR FIRE BARRIER [2HR] [2HR OCC], NFPA 101-2012: 8.3, IBC SECTION 706

A fire barrier is defined as "A continuous membrane or a membrane with discontinuities created by protected openings with a specified fire protection rating. where such membrane is designed and constructed with a specified fire resistance rating to limit the spread of fire, that also restricts the movement of smoke". This line type applies to building separations, occupancy separations, horizontal exits, certain hazardous areas, stair enclosures connecting 4 stories or more, and vertical enclosures connecting 4 stories or more.

Fire barriers are continuous from outside wall to outside wall or from one fire barrier to another, or a combination thereof, including continuity through all concealed spaces such as those found above a ceiling, including interstitial spaces. In the Denver VAMC, floor/ceiling slabs comply with 2-hour fire barrier rating.

Doors: 1.5-hr (90 minute) fire-resistance rated, automatic-closing or self-closing, positive latching, < 3/4-inch undercut, < 1/4-inch gap between meeting edges of door pairs, protective plate not more than 16 inches above bottom of door.

Penetrations and Joints: All penetrations and joints must be sealed with approved fire-rated material or fire-stop application. Penetrations and joints must be properly sealed on both sides of the barrier.

Ducts: Duct penetrations are protected by 1.5-hr (90 minute) fire dampers. Air transfer openings are protected by 1.5-hr (90 minute) fire dampers.

1-HR FIRE BARRIER [1HR] [1HR OCC], NFPA 101-2012: 8.3, IBC SECTION 706

A fire barrier is defined as "A continuous membrane or a membrane with discontinuities created by protected openings with a specified fire protection rating, where such membrane is designed and constructed with a specified fire resistance rating to limit the spread of fire, that also restricts the movement of smoke". This line type applies to occupancy separations, certain hazardous areas, stair enclosures connecting not more than 3 stories, and vertical enclosures connecting not more than 3 stories. Fire barriers enclosing extend from floor slab to floor or roof slab above, extend through any concealed spaces (such as those above suspended ceilings and interstitial spaces); or such barriers extend to a ceiling of equal or greater fire

Doors: 3/4-hr (45 minute) fire-resistance rated, automatic-closing or self-closing, positive latching, <3/4-inch undercut, < 1/8-inch gap between meeting edges of door pairs, protective plate not more than 16 inches above bottom of door.

Penetrations and Joints: All penetrations and joints must be sealed with approved fire-rated material or fire-stop application. Penetrations and joints must be properly sealed on both sides of the barrier.

Ducts: Duct penetrations are protected by 3/4-hr (45 minute) fire dampers. Air transfer openings are protected by 3/4-hr (45 minute) fire dampers. Refer to shall not be required in duct penetrations of smoke barriers in NFPA 90A. Standard for the Installation of Air-Conditioning and Ventilating Systems for specific damper provisions.

SMOKE BARRIER W/2-HR FIRE RESISTANCE RATING [2HR SB] NFPA 101-2012; 3.3.31.2, 8.5, IBC SECTION 706, 709

A smoke barrier is defined as "A continuous membrane, or a membrane with discontinuities created by protected openings, where such membrane is designed and constructed to restrict the movement of smoke". This line type applies to any 2-hr fire barrier that must also serve as a smoke barrier. May include: building separations, occupancy separations, horizontal exits. hazardous areas, stair enclosures connecting 4 stories or more, and vertical enclosures connecting 4 stories or more. The fire rating of the barrier takes precedence over smoke barrier provisions with regard to opening protectives and penetrations

Fire barriers extend from floor slab to floor or roof slab above, extend through any concealed spaces (such as those above suspended ceilings and interstitial spaces); or such barriers extend to a ceiling of equal or greater fire resistance rating. Smoke barriers extend from outside wall to outside wall.

Doors: 1.5-hr(90 minute) fire-resistance rated, automatic-closing or self-closing, positive latching, <3/4-inch undercut. < 1/4-inch gap between meeting edges of door pairs, protective plate not more than 16 inches above bottom of door.

Penetrations and Joints: All penetrations and joints must be sealed with approved fire-rated material or fire-stop application. Penetrations and joints must be properly sealed on both sides of the

Ducts: Duct penetrations are protected by 1.5-hr(90 minute) combination fire/smoke damners. Air transfer openings are protected by 1.5-hr(90 minute) combination fire/smoke dampers.

SMOKE BARRIER W/1-HR FIRE RESISTANCE RATING [1HR SB]. NFPA 101-2012: 3.3.31.2, 8.5, IBC SECTION 709

A smoke barrier is defined as "A continuous membrane, or a membrane with discontinuities created by protected openings, where such membrane is designed and constructed to restrict the movement of smoke". This line type applies to any 1-hr fire harrier that must also serve as a smoke harrier. May include: occupancy separations, hazardous areas, stair enclosures connecting not more than 3 stories, and vertical enclosures connecting not more than 3 stories. The fire rating of the barrier takes precedence over smoke barrier provisions with regard to penetrations. Fire barriers extend from floor slab to floor or roof slab above, extend through any concealed spaces (such as those above suspended ceilings and interstitial spaces); or such walls extend to a ceiling of equal or greater fire resistance rating. Smoke barriers extend from outside wall to outside wall

Note: While the existing health care chapter of NFPA 101 %, Life Safety Code® only requires the smoke barrier to have not less than 1/2 hour fire resistance rating the model building codes require 1-hr fire resistance rating.

Doors: Substantial doors, such as 1 .-inch thick, solid-bonded wood core doors, or 1/3-hr (20 minute) fire-resistance rated, automatic-closing or self-closing, < 1-inch undercut, < 1/2-inch gap between meeting edges of door pairs, protective plate not more than 48 inches above bottom of door

Penetrations and Joints: All penetrations and joints must be sealed with approved fire-rated material or fire-stop application. Penetrations and joint must be properly sealed on both sides of the barrier.

Ducts: Duct penetrations are protected by combination fire/smoke dampers designed to resist the passage of smoke. Air transfer openings are protected by fire/smoke dampers designed to resist the passage of smoke

Refer to the health care occupancy chapters of NFPA 101R, Life Safety Code ® Dampers

fully ducted heating, ventilating, and air conditioning systems where an approved, supervised automatic sprinkler system has been provided for smoke compartments adjacent to the smoke barrier.

SMOKE PARTITION [SP], NFPA 101-2012; 8.4, IBC SECTION 710

A smoke partition is defined as "a continuous membrane that is designed to form a barrier to limit the transfer of smoke". A smoke partition is not required to have a fire resistance rating.

Any hazardous areas shall be safeguarded by a fire barrier having a 1-hour fire resistance rating or shall be provided with an automatic extinguishing system in accordance with 8.4.1. The automatic extinguishing shall be

permitted to be in accordance with 19.3..2.1.2 Where the sprinkler option is used, the areas shall be separated from other spaces by smoke-resisting partitions and doors. Protection from any area having a degree of hazard greater than that normal to the general occupancy of the building or structure shall be provided by one of the following means:

Enclose the area with a fire barrier without windows that has a 1-hour fire resistance rating in accordance with Section 8.2. · Protect the area with automatic extinguishing systems in accordance

- with Section 9.7 Apply both 8.4.1.1(1) and (2) where the hazard is severe or where
- otherwise specified by Chapters 12 through 42. · Where required elsewhere in this Code, smoke partitions shall be
- provided to limit the transfer of smoke.
- Smoke partitions shall extend from the floor to the underside of the floor or roof deck above, through any concealed spaces, such as those above suspended ceilings, and through interstitial structural and mechanical spaces.

Exception*: Smoke partitions shall be permitted to terminate at the underside of a monolithic or suspended ceiling system where the following conditions are met:

- The ceiling system forms a continuous membrane. · A smoketight joint is provided between the top of the smoke partition and the bottom of the suspended ceiling.
- The space above the ceiling is not used as a plenum. **Doors.** Doors in smoke partitions shall comply with 8.2.4.3.2 through 8.2.4.3.5. Doors shall comply with the provisions of 7.2.1. Doors shall not include louvers. Door clearances shall be in accordance with NFPA 80. Standard for Fire Doors and Fire Windows. Doors shall be

self-closing or automatic closing in accordance with 7.2.1.8.

Penetrations and Joints. Pipes, conduits, bus ducts, cables, wires, air ducts, pneumatic tubes and ducts, and similar building service equipment that pass through smoke partitions shall be protected as follows:

(1) The space between the penetrating item and the smoke partition shall meet one of the following conditions:

- a. It shall be filled with a material that is capable of limiting the transfer of smoke.
- b. It shall be protected by an approved device that is designed for the specific purpose.
- (2) Where the penetrating item uses a sleeve to penetrate the smoke partition, the sleeve shall be solidly set in the smoke partition, and the space between the item and the sleeve shall meet one of the following conditions:
- a. It shall be filled with a material that is capable of limiting the transfer of smoke.
- b. It shall be protected by an approved device that is designed for the specific purpose.
- (3) Where designs take transmission of vibrations into consideration, any vibration isolation shall meet one of the following conditions:
- a. It shall be made on either side of the smoke partitions.
- b. It shall be made by an approved device that is designed for the specific

Openings located at points where smoke partitions meet the outside walls, other smoke partitions, smoke barriers, or fire barriers of a building shall meet one of the following conditions:

- (1) They shall be filled with a material that is capable of limiting the transfer of smoke
- (2) They shall be made by an approved device that is designed for the specific purpose.

Dampers. Air transfer openings in smoke partitions shall be provided with designed to resist the passage of smoke. approved dampers designed to limit the transfer of smoke. Dampers in air transfer openings shall close upon detection of smoke by approved smoke detectors installed in accordance with NFPA 72, National Fire Alarm Code.

HAZARDOUS AREAS [2HR] [1HR], NFPA 101-2012: 18/19.3.2, IBC SECTION 508.2 A hazardous area is defined as "An area of a structure

or building that poses a degree of hazard greater than that normal to the general occupancy of the building or structure, such as areas used for the storage or use of combustibles or flammables; toxic, noxious, or corrosive materials; or heat-producing appliances". This line type depicts the enclosure of specified hazardous areas in accordance with the Life Safety Code®. Fire barriers enclosing hazardous areas may be either 2-hr or 1-hr depending of the nature of the hazard. Fire barriers enclosing hazardous areas extend from floor slab to floor or roof slab above, extend through any concealed spaces (such as those above suspended ceilings and interstitial spaces); or such walls extend to a ceiling of equal or greater fire resistance rating. Refer to NFPA 101R, Life Safety Code® for hazardous area designations. Doors: 1.5-hr(90 minute) or 3/4-hr (45 minute) fire resistance rated, automatic-closing or selfclosing, positive latching, <3/4-inch undercut, < 1/8-inch gap between meeting edges of door pairs, protective plate

not more than 48 inches above bottom of door. Penetrations and Joints: All penetrations and joints must be sealed with approved fire-rated material or fire-stop application. Penetrations and joints must be properly sealed on both sides of the barrier. Ducts: Duct penetrations are protected by 1.5-hr(90 minute) or 3/4-hr (45 minute) fire dampers. Air transfer openings are protected by 1.5-hr (90 minute) or 3/4-hr (45 minute) fire dampers. Refer to NFPA 90A, Standard for the Installation of Air-Conditioning and Ventilating Systems for specific damper provisions.

SUITES, NFPA 101-2012: 18/19.2.5.7, IBC SECTION 1014.2.2

Suites of sleeping rooms and suites for other than sleeping rooms are identified by a particular shade of green. The various shades of green have no purpose other than creating visual distinction between two or more adjacent suites. The subdivision of suites is by means of noncombustible or limited combustible partitions or partitions constructed with fire-retardant-treated wood enclosed with noncombustible or limited-combustible materials, and such partitions are not required to be fire treated. Walls enclosing suites are not required to extend beyond the ceiling where the ceiling meets these provisions. Doors: 1.5-inch thick solid-bonded wood core doors. or 1/2-hr (20 minute) fire-resistance rated. automatic-closing or self-closing or positive latching. < 1-inch undercut, < 1/8-inch gap between meeting edges of door pairs, protective plate not more than 48 inches above bottom of door. Doors within the interior limits of the suite are not regulated as corridor doors. Penetrations and Joints: All penetrations and joints should be properly sealed. Penetrations and ioints should be properly sealed on both sides of the wall. Ducts: Duct penetrations are protected by smoke dampers designed to resist the passage of smoke. Air transfer openings are protected by smoke dampers

100% CONSTRUCTION DOCUMENTS - FULLY SPRINKLERED

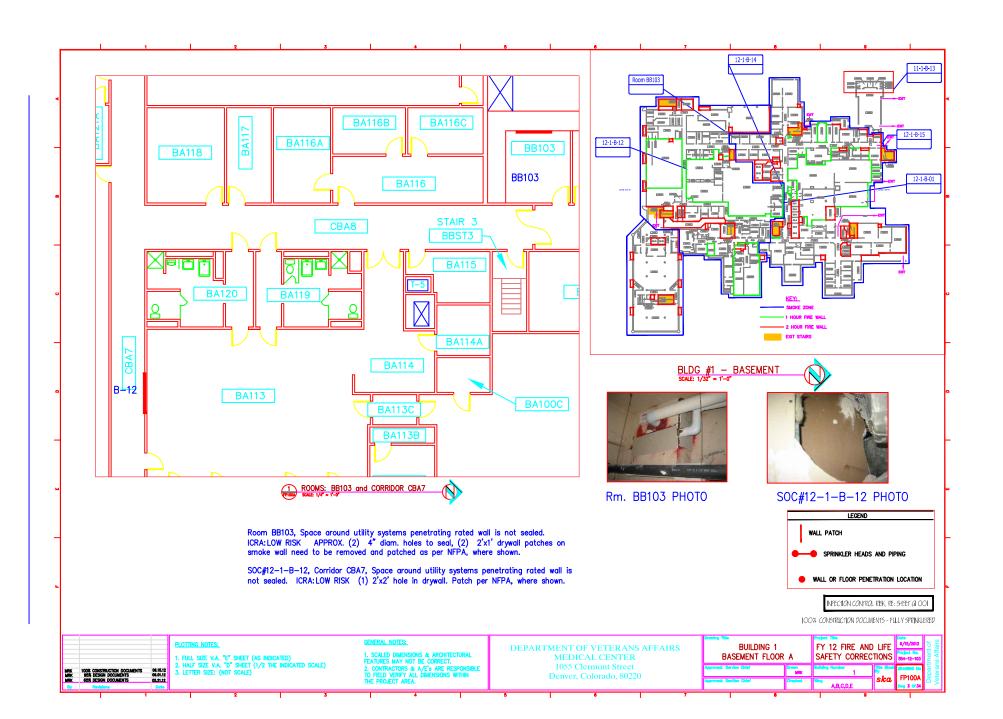
1. FULL SIZE V.A. "E" SHEET (AS INDICATED)
2. HALF SIZE V.A. "D" SHEET (1/2 THE INDICATED SCALE)
3. LETTER SIZE: (NOT SCALE)

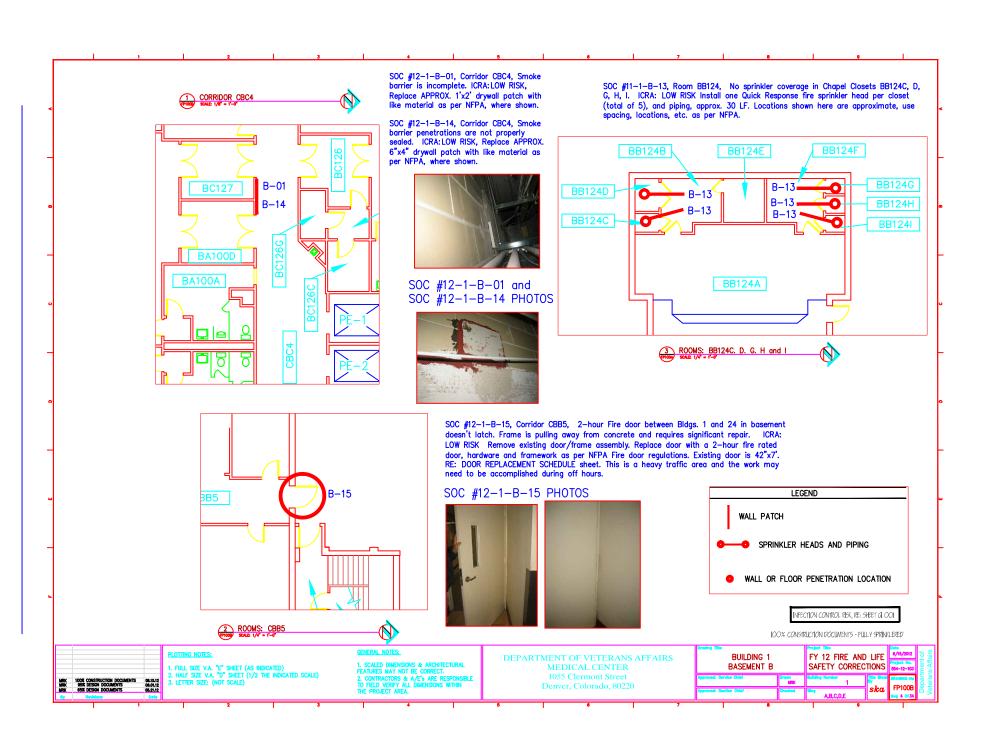
FEATURES MAY NOT BE CORRECT.

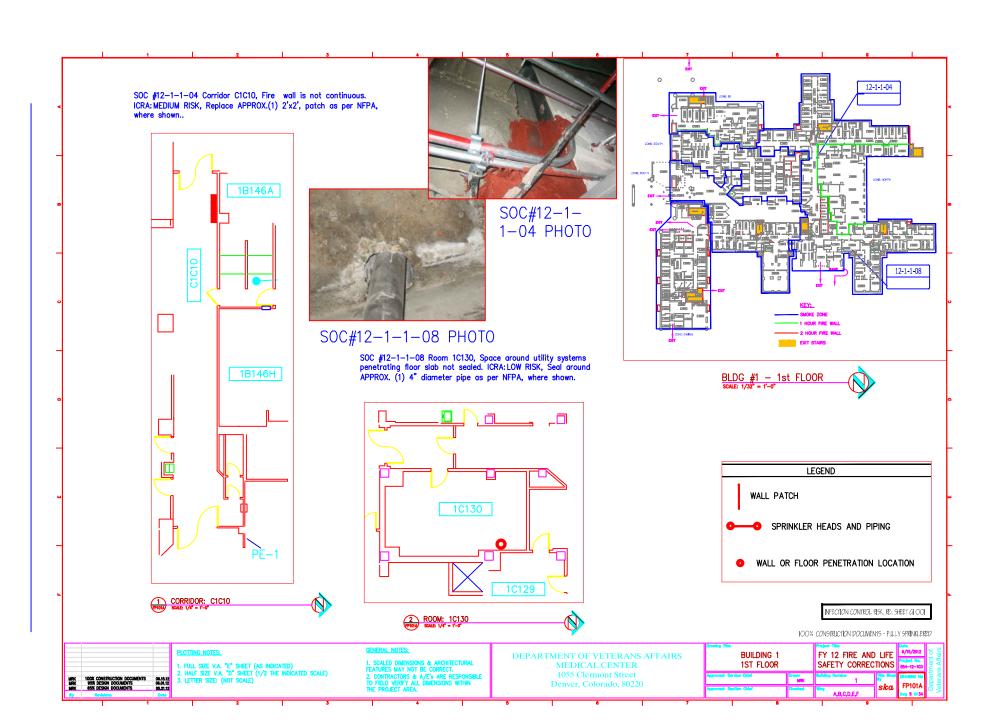
2. CONTRACTORS & A/E's ARE RE
TO FIELD VERIFY ALL DIMENSIONS

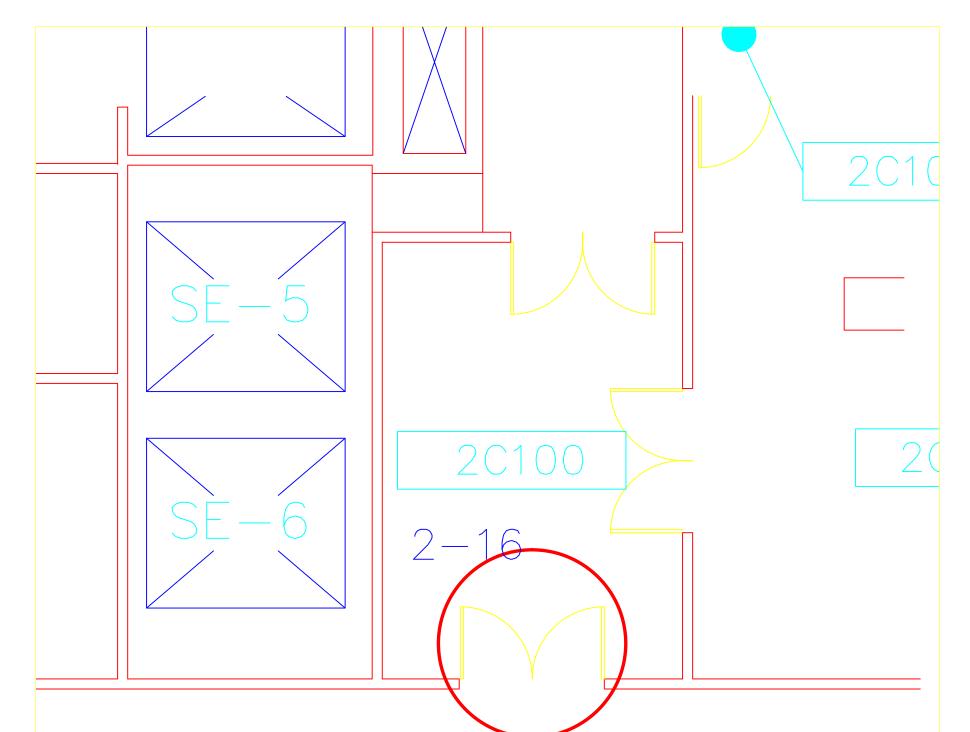
MEDICAL CENTER

LIFE SAFETY FY 12 FIRE AND LIFE SAFETY CORRECTIONS ASSESSMENT NOTES









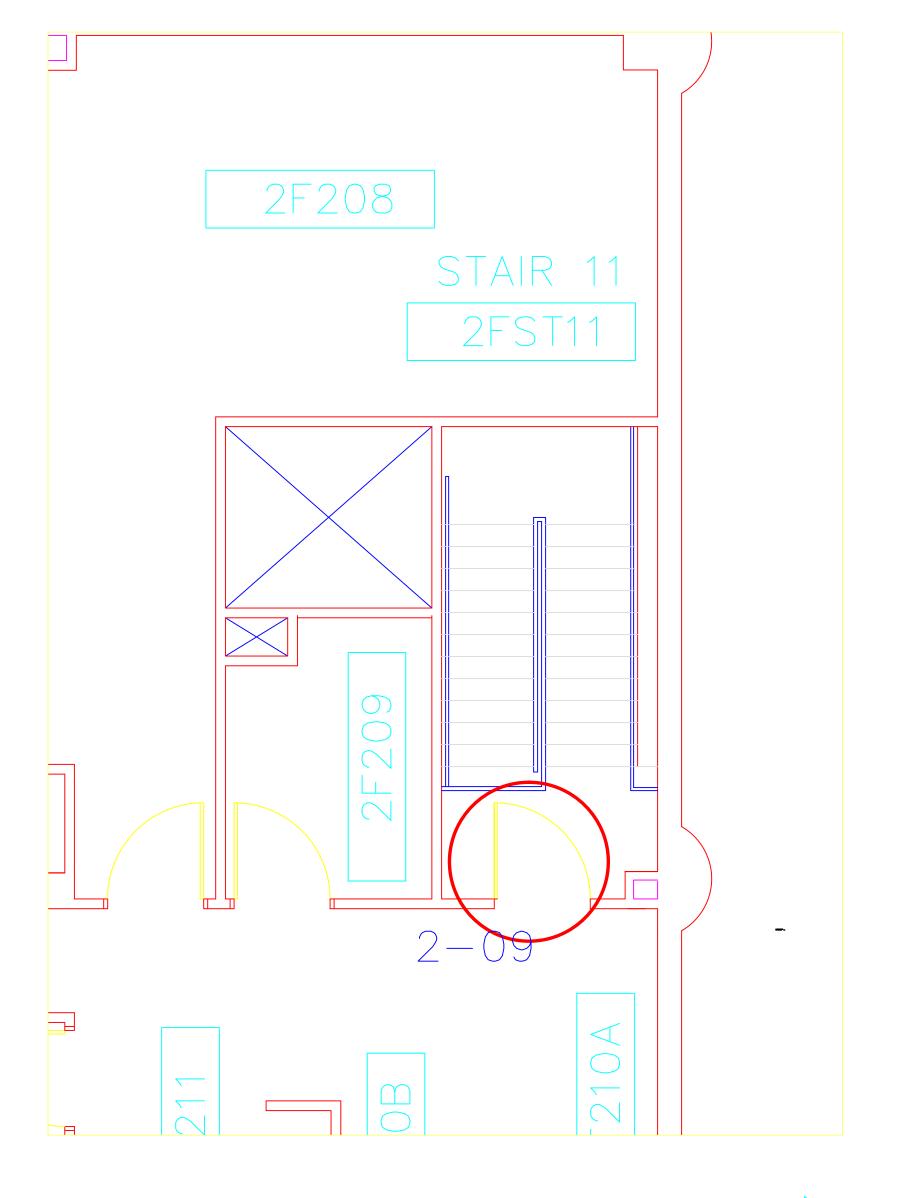
SOC #11-1-2-16 At 2C100/C2C1, Smoke Barrier door doesn't close properly. Frame is pulling away from the concrete. ICRA:LOW RISK, Remove/replace Smoke barrier double doors w/ 45 min. smoke double doors, as per NFPA Smoke Barrier regulations. Remove and replace concrete framework. Existing door opening is 70.7" across and 84.5" tall, with inward swing. RE: DOOR REPLACEMENT SCHEDULE sheet.

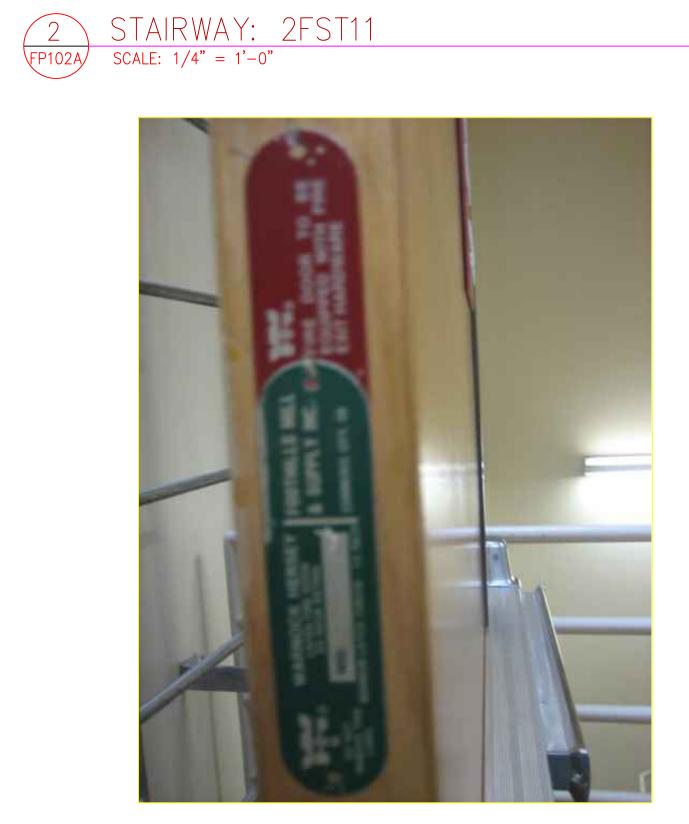


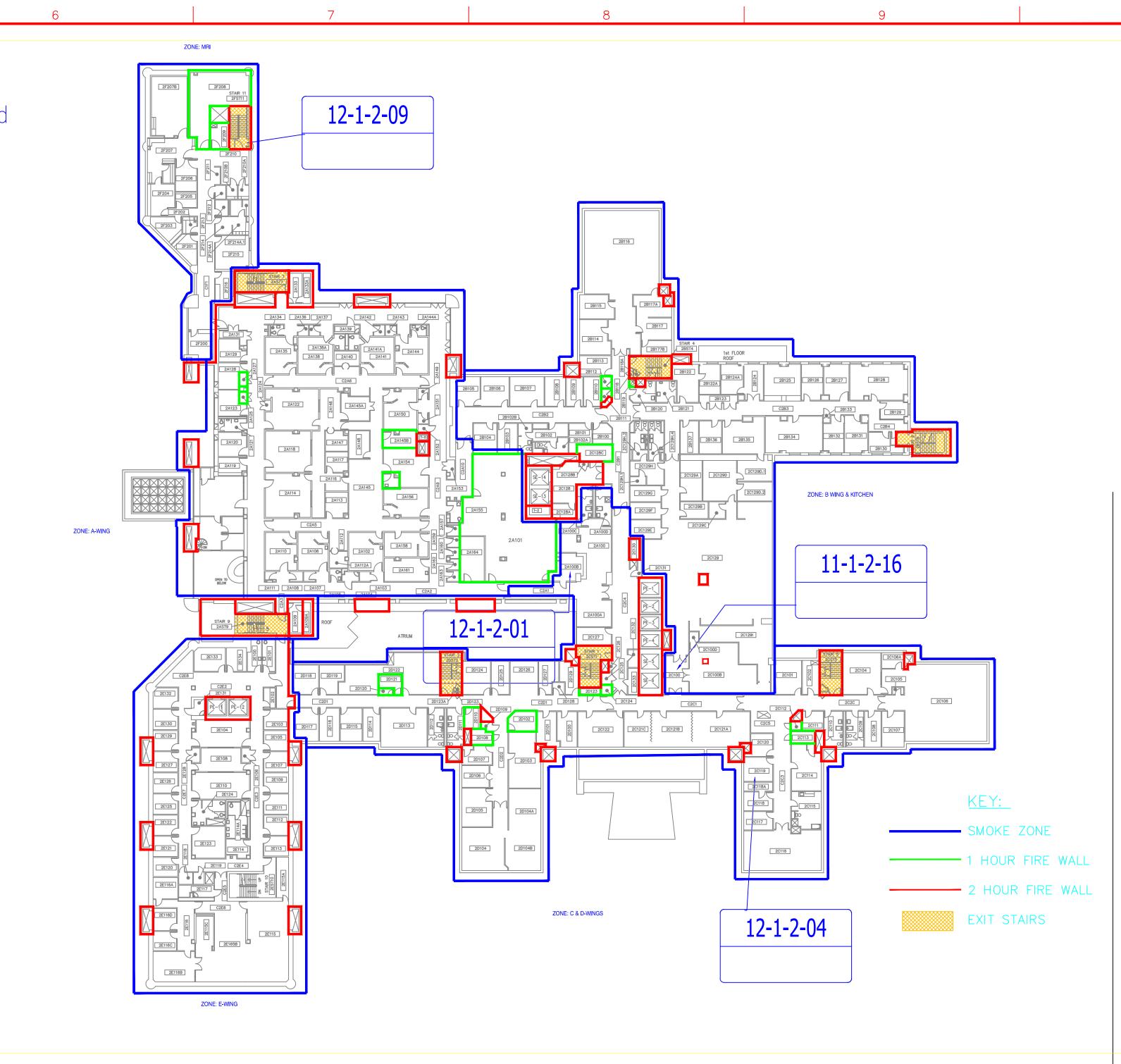


SOC#12-1-2-16 PHOTO SOC#12-1-2-09 PHOTO

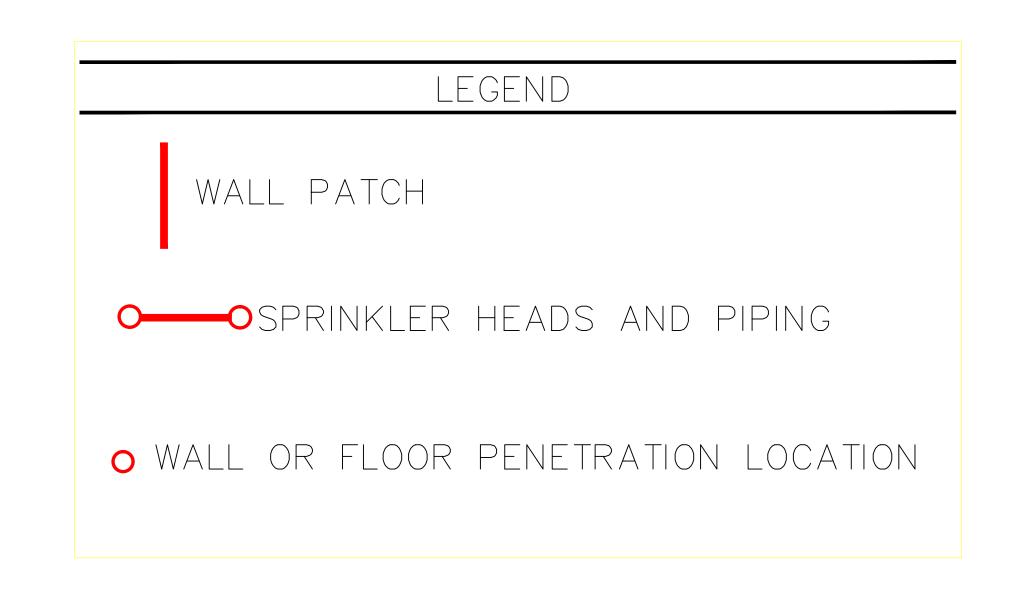
SOC #12-1-2-09 At 2FST11, Door Rating is inadequate. ICRA: LOW RISK, Provide new 2-hour fire rated door and frame, as per NFPA. RE: DOOR REPLACEMENT SCHEDULE sheet.







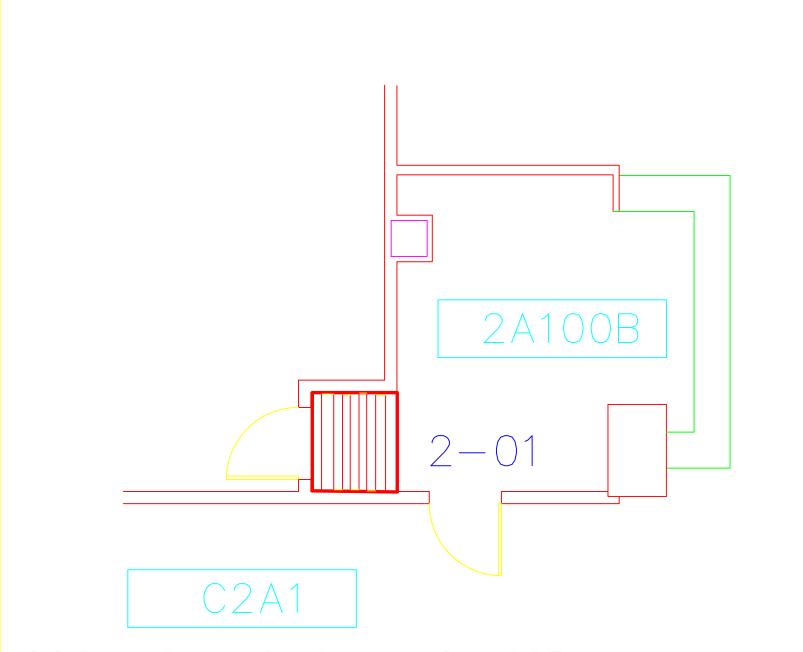




INFECTION CONTROL RISK, RE: SHEET GI OOI

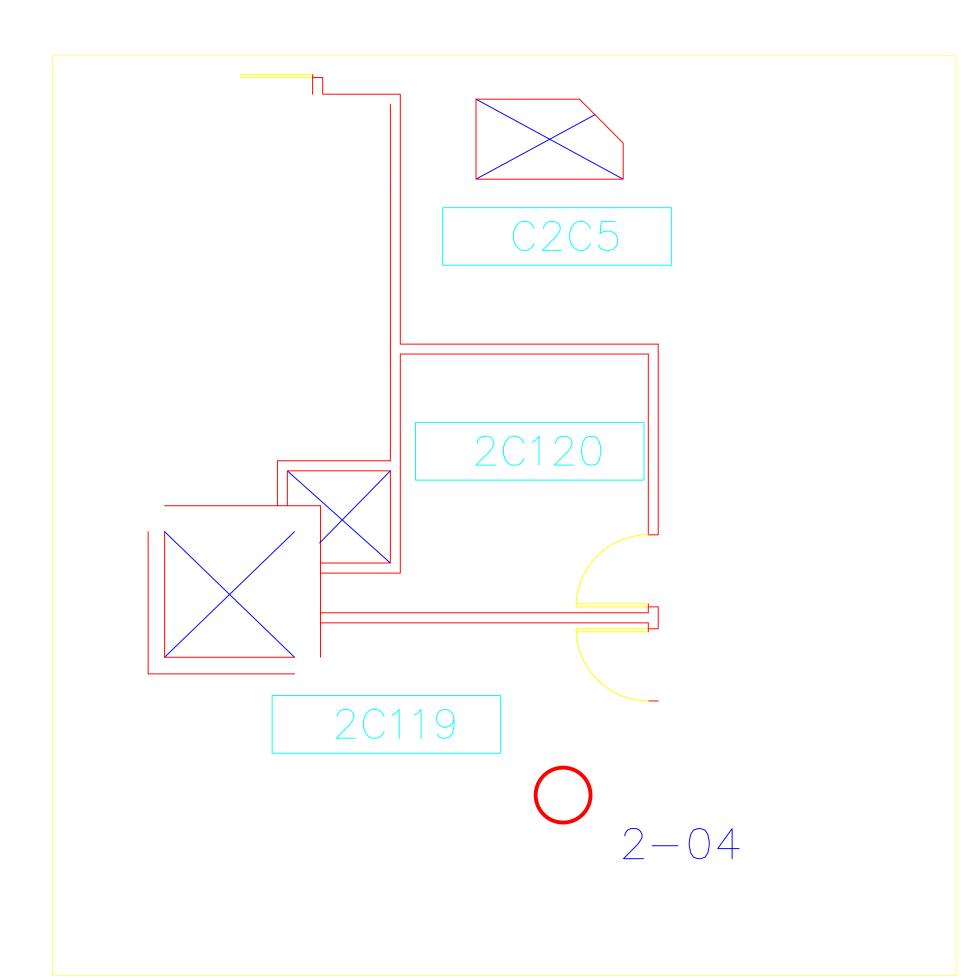
100% CONSTRUCTION DOCUMENTS - FULLY SPRINKLERED

Drawing Title SCALING NOTES: GENERAL NOTE: FY 12 FIRE AND LIFE BUILDING 1 DEPARTMENT OF VETERANS AFFAIRS CONTRACTORS AND 1. FULL SIZE V.A. "E" SHEETS (SCALE AS INDICATED) SAFETY CORRECTIONS 554-12-103 2ND FLOOR A MEDICAL CENTER ACHITECT/ENGINEERING 2. HALF SIZE V.A. "D" SHEETS (\frac{1}{2} THE SCALE SHOWN)
3. LETTER SIZE (NOT TO SCALE) 1055 Clermont Street Approved: Service Chief 100% CONSTRUCTION DOCUMENTS
95% DESIGN DOCUMENTS RESPONCABLE FOR THE Denver, Colorado, 80220 FEILD VERIFICATION OF ALL EXISTING ska 65% DESIGN DOCUMENTS Approved: Section Chief



SOC #12-1-2-01 At 2A100B, Non-hazard room contains combustible wooden ramp. ICRA:LOW RISK, Replace (1) 4'x4' wooden ramp with non-combustible ramp in accordance with OSHA 1926.451, including non-slip surface. Contractor to submit ramp shop drawings prior to installation.







SOC #12-1-2-04 Exterior shaft behind 2C119, Space around utility systems penetrating floor slab not sealed. ICRA: MEDIUM RISK, Seal APPROX. (1) 4" diameter hole as per NFPA, where shown.



SOC#12-1-2-01 PHOTO



SOC#12-1-2-04 PHOTO

WALL PATCH

OSPRINKLER HEADS AND PIPING

WALL OR FLOOR PENETRATION LOCATION

INFECTION CONTROL RISK, RE: SHEET GI OOI

100% CONSTRUCTION DOCUMENTS - FULLY SPRINKLERED

			SCALING NOTES:
			1 5111 0175 \/ \
			1. FULL SIZE V.A
			2. HALF SIZE V.A
MRK	100% CONSTRUCTION DOCUMENTS	06.15.12	3. LETTER SIZE (
MRK	95% DESIGN DOCUMENTS	06.01.12	
MRK	65% DESIGN DOCUMENTS	05.21.12	
Ву	Revisions	Date	

1. FULL SIZE V.A. "E" SHEETS (SCALE AS INDICATED)
2. HALF SIZE V.A. "D" SHEETS (\frac{1}{2} THE SCALE SHOWN)
3. LETTER SIZE (NOT TO SCALE)

GENERAL NOTE:

CONTRACTORS AND
ACHITECT/ENGINEERING
FIRMS ARE
RESPONCABLE FOR THE
FEILD VERIFICATION OF
ALL EXISTING

DEPARTMENT OF VETERANS AFFAIRS
MEDICAL CENTER
1055 Clermont Street
Denver, Colorado, 80220

Drawing Title

BUILDING 1

2ND FLOOR B

Approved: Service Chief

Drawn
MRK

Approved: Section Chief

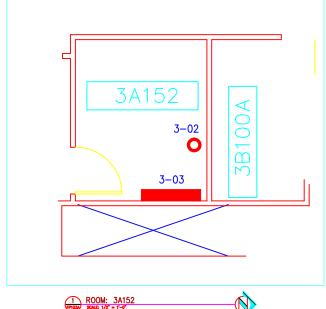
Project Title
FY 12 FIRE AND LIFE
SAFETY CORRECTIONS

SAFETY CORRECTIONS

Title Block
By
FP102E

SOC #12-1-3-02 Room 3A152, Space around utility systems penetrating floor slab not sealed. ICRA:LOW RISK, Seal APPROX. (1) 4"diameter hole as per NFPA, where shown.

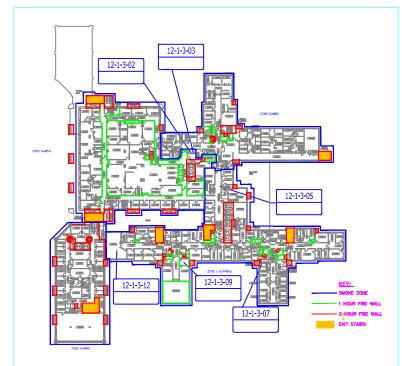
SOC #12-1-3-03 Room 3A152, Smoke barrier incomplete. ICRA:LOW RISK, APPROX (1) 2'x4' hole, Patch as per NFPA, where shown.

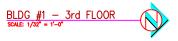


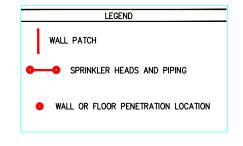


SOC#12-1-3-03 PHOTO

SOC#12-1-3-02 PHOTO







INFECTION CONTROL RISK, RE: SHEET GI OOI

100% CONSTRUCTION DOCUMENTS - FULLY SPRINKLERED

MINK 100% CONSTRUCTION DOCUMENTS 04.15.12
MINK 85% DESIGN DOCUMENTS 04.01.12
MINK 65% DESIGN DOCUMENTS 02.21.12

PLOTTING NOTES:

1. FULL SIZE V.A. "E" SHEET (AS INDICATED)
2. HALF SIZE V.A. "D" SHEET (1/2 THE INDICATED SCALE)
3. LETTER SIZE: (NOT SCALE)

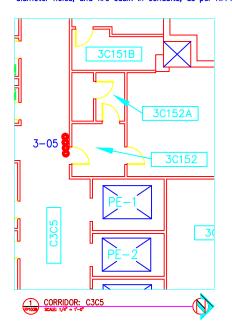
GENERAL NOTE

1. SCALED DIMENSIONS & ARCHITECTURAL FEATURES MAY NOT BE CORRECT.
2. CONTRACTORS & A/E's ARE RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS WITHIN THE PROJECT AREA.

DEPARTMENT OF VETERANS AFFAIRS
MEDICAL CENTER
1055 Clermont Street
Denver, Colorado, 80220

| District | District

SOC #12-1-3-05 Corridor C3C5, Space around utility systems penetrating rated wall not sealed. ICRA: LOW RISK, Seal APPROX. (4) 6" diameter holes, and fire caulk in conduits, as per NFPA, where shown.







SOC#12-1-3-05 PHOTOS

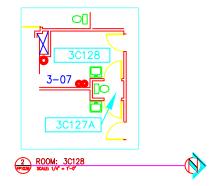






SOC #12-1-3-07 Room 3C128, Space around utility systems penetrating floor slab not sealed. iCRA:LOW RISK, Seal APPROX. (1) 6" diam. and (2)-4" diam. holes, as per NFPA, where shown.

SOC#12-1-3-07 PHOTOS





INFECTION CONTROL RISK, RE: SHEET AI OOI

100% CONSTRUCTION DOCUMENTS - FULLY SPRINKLERED

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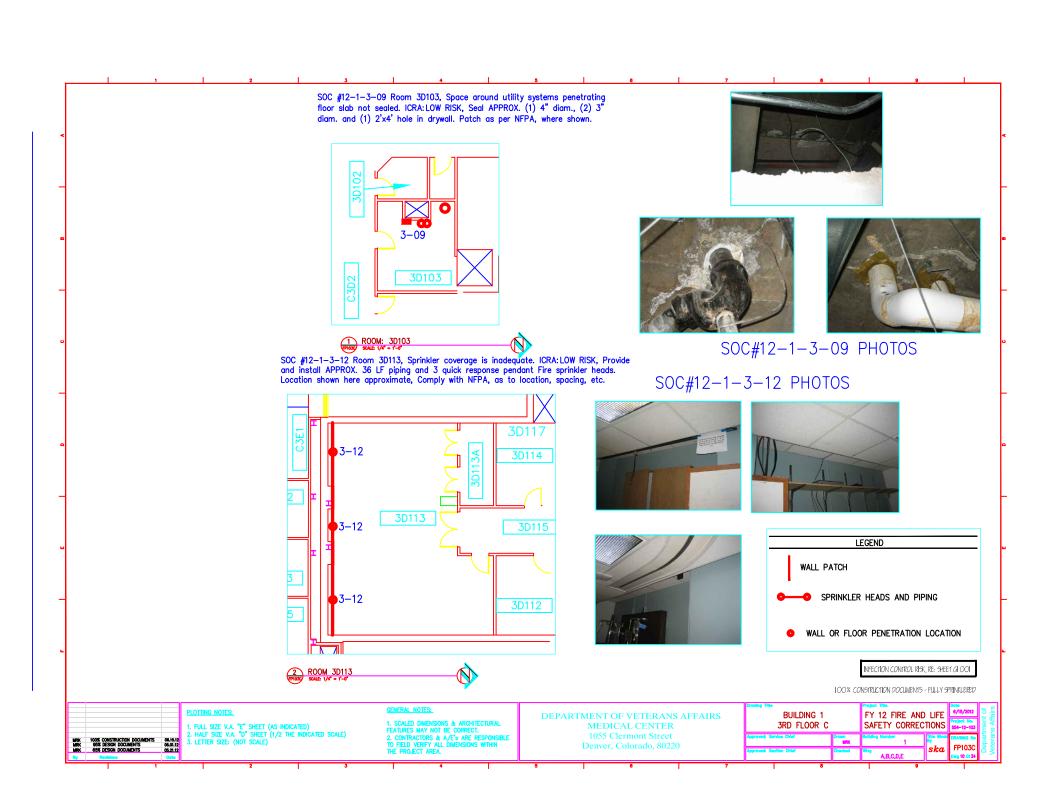
OTTING NOTES:

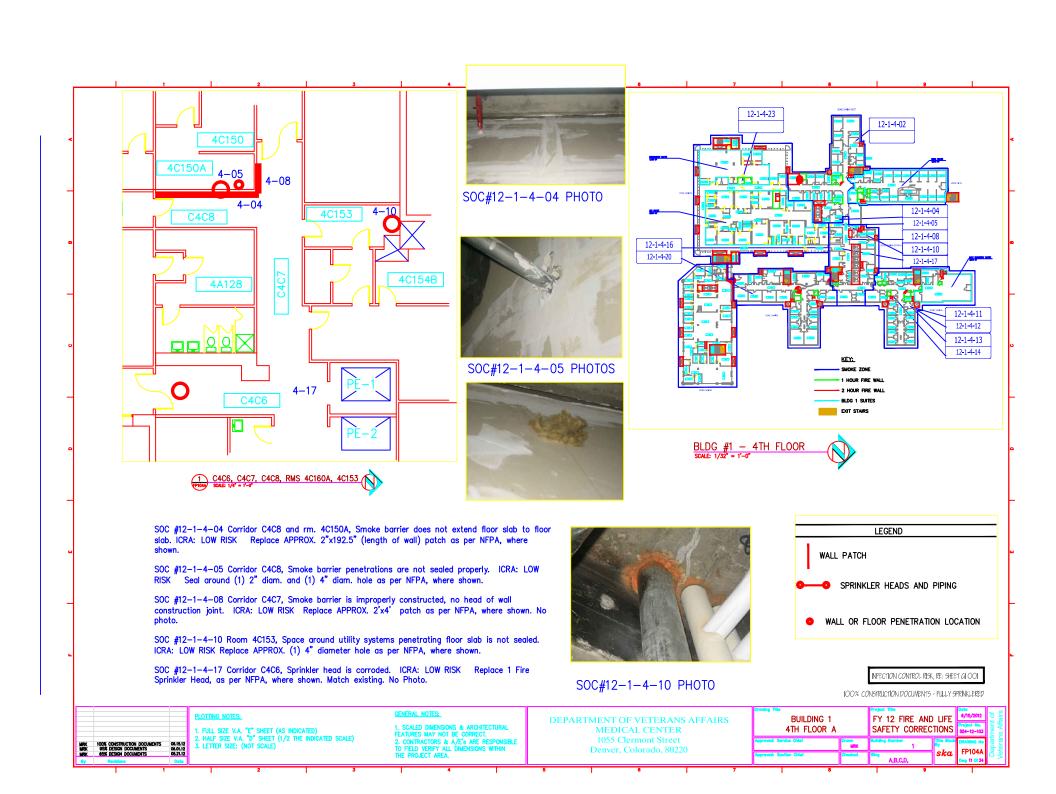
1. FULL SIZE V.A. "E" SHEET (AS INDICATED)
2. HALF SIZE V.A. "D" SHEET (1/2 THE INDICATED SCALI

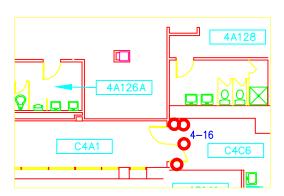
GENERAL NOTES

1. SCALED DIMENSIONS & ARCHITECTURAL FEATURES MAY NOT BE CORRECT.
2. CONTRACTORS & A/E's ARE RESPONSIBL TO FIELD VERIFY ALL DIMENSIONS WITHIN THE PROJECT AREA.

DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER 1055 Clermont Street Denver, Colorado, 80220







SOC #12-1-4-16 C4A1, Space around utility systems penetrating floor slab is not sealed.ICRA: LOW RISK Seal around APPROX. (2) 4" diameter, (1) 3"diameter in center of all and (1) 3" diameter near edge of hall as per NFPA, where shown. Use Fire caulking inside 3" diameter conduits also, as per NFPA.

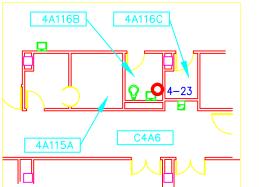








SOC#12-1-4-16 PHOTOS

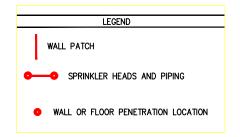


1 ROOM 4A116B PRIONE 1/4" = 1'-0"

SOC #12-1-4-23 Room 4A116B, Space around utility systems penetrating floor slab is not sealed. ICRA: HIGH RISK Remove insulation and Seal APPROX. (1) 12" diameter hole as per NFPA, where



SOC#12-1-4-23 PHOTO



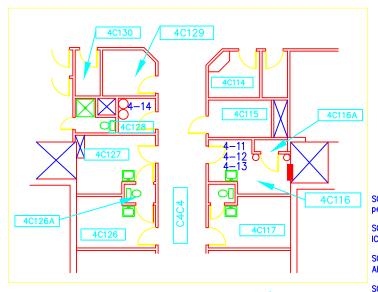
INFECTION CONTROL RISK, RE: SHEET GI OOI

100% CONSTRUCTION DOCUMENTS - FULLY SPRINKLERED

1. FULL SIZE V.A. "E" SHEET (AS INDICATED)
2. HALF SIZE V.A. "D" SHEET (1/2 THE INDICATED SCALE)
3. LETTER SIZE: (NOT SCALE)

DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER Denver, Colorado, 80220

BUILDING 1 FY 12 FIRE AND LIFE SAFETY CORRECTIONS 4th FLOOR B



SOC#12-1-4-11&12 SOC#12-1-4-13 SOC#12-1-4-14





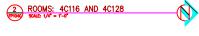


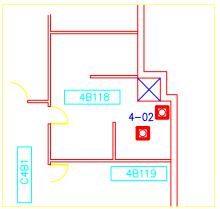
SOC #12-1-4-11 Room 4C116, Hole in 2-hour rated wall. ICRA: HIGH RISK Seal around APPROX. (1) 2" diameter pipe as per NFPA, where shown.

SOC #12-1-4-12 Room 4C116, 2-hour rated wall is improperly constructed. ICRA: HIGH RISK APPROX. (1) 2'x4' hole in drywall. Patch as per NFPA, where shown.

SOC #12-1-4-13 Room 4C116, Space around utility systems penetrating floor slab not sealed. ICRA: HIGH RISK Seal around APPROX. (2) 4" diameter pipes that are duct taped, as per NFPA, where shown.

SOC #12-1-4-14 Room 4C128, Space around utility systems penetrating floor slab not sealed. ICRA: HIGH RISK Seal around APPROX. (2) 6" diameter pipes as per NFPA, where shown.





1 ROOM: 4B118

SOC #12-1-4-02 Room 4B118, Space around utility systems penetrating floor slab not sealed. ICRA: LOW RISK APPROX. (2) 6" diam. pipes w/plywood plates, Remove plywood, seal around pipes as per NFPA, where shown.





LEGEND

WALL PATCH

SPRINKLER HEADS AND PIPING

WALL OR FLOOR PENETRATION LOCATION

SOC#12-1-4-02 PHOTOS

INFECTION CONTROL RISK, RE: SHEET AI OOI

100% CONSTRUCTION DOCUMENTS - FULLY SPRINKLERED

MARK 100X CONSTRUCTION DOCUMENTS OR AS SE MARK 99% RESIGN DOCUMENTS OR AS AS MARK 65% RESIGN DOCUMENTS OR AS AS

c. G

1. FULL SIZE V.A. "E" SHEET (AS INDICATED)
2. HALF SIZE V.A. "D" SHEET (1/2 THE INDICATED SCALE)
3. LETTER SIZE: (NOT SCALE)

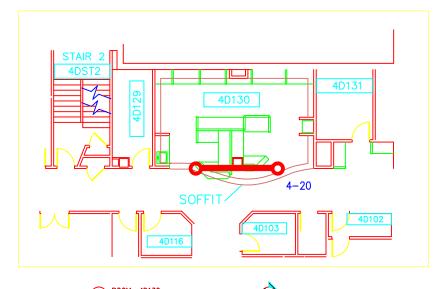
<u>general notes:</u> 1. Scaled dimensions & Archite

1. SCALED DIMENSIONS & ARCHITECTURAL FEATURES MAY NOT BE CORRECT.
2. CONTRACTORS & A/E's ARE RESPONSIBL TO FIELD VERIFY ALL DIMENSIONS WITHIN THE PROJECT AREA.

DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER 1055 Clermont Street Denver, Colorado, 80220

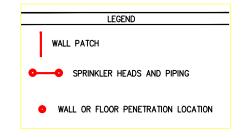
BUILDING 1
4th FLOOR C
SAFETY CORRECTIONS
FORMS
Since Claim
Forms
AB,C,D,
FORMS
FORM

SOC #12-1-4-20 Room 4D130, Sprinkler coverage is inadequate at 4South Nurses' station. ICRA: HIGH RISK Install 2 Fire sprinkler heads and piping, approx. 12 LF, as shown. Match existing heads, location shown here approximate, locate new heads in spacing, location, etc., as per NFPA.





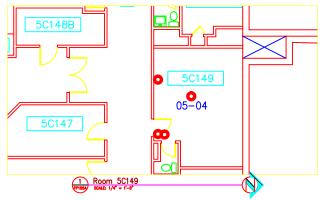
SOC#12-1-4-20 PHOTO



INFECTION CONTROL 1815K, RE: SHEET ALOOL



SOC #12-1-5-04 Room 5C149, Space around utility systems penetrating floor slab not sealed. SICRA: LOW RISK Remove insulation and seal around APPROX. (2) 6"diam. holes by door, (1) 6" diam. hole near corridor and (1) 4" hole in the center of the room, as per NFPA, where shown

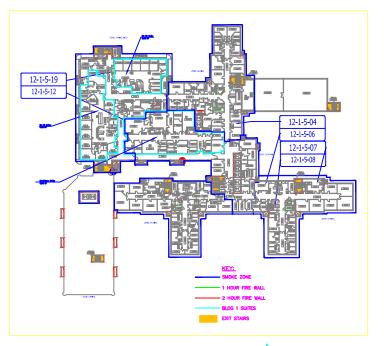


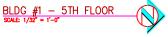


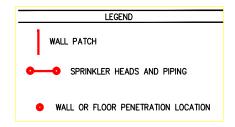




SOC#12-1-5-04 PHOTOS







INFECTION CONTROL RISK, RE: SHEET AI OOI

100% CONSTRUCTION DOCUMENTS - FULLY SPRINKLERED

BUILDING 1
SAFETY CORRECTIONS

WINK ** NOS CONSTRUCTION DOCUMENTS OF LALL SIZE VA. "E" SHEET (AS INDICATED)

LINK ** SOS ERSON DOCUMENTS OF LALL SIZE VA. "E" SHEET (AS INDICATED)

LINK ** SOS ERSON DOCUMENTS OF LALL SIZE VA. "E" SHEET (AS INDICATED)

LINK ** SOS ERSON DOCUMENTS OF LALL SIZE VA. "E" SHEET (AS INDICATED)

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SOC#12-1-5-06 PHOTOS



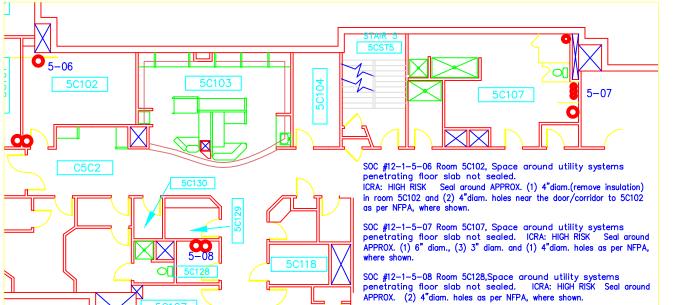
SOC#12-1-5-08 PHOTO

LEGEND

SPRINKLER HEADS AND PIPING

WALL OR FLOOR PENETRATION LOCATION

WALL PATCH



1 Rooms 5C102, 5C107 and 5C128 SCILE 1/4" = 1"-0"

INFECTION CONTROL RISK, RE: SHEET ALOOL

100% CONSTRUCTION DOCUMENTS - FULLY SPRINKLERED

1. FULL SIZE V.A. "E" SHEET (AS INDICATED)
2. HALF SIZE V.A. "D" SHEET (1/2 THE INDICATED SCALE)
3. LETTER SIZE: (NOT SCALE)

DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER Denver, Colorado, 80220

BUILDING 1 5th FLOOR B FY 12 FIRE AND LIFE SAFETY CORRECTIONS





SOC#12-1-5-12 PHOTOS

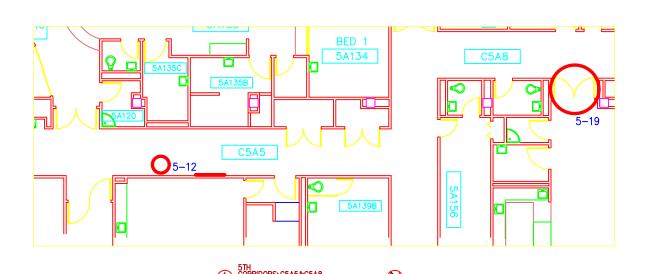


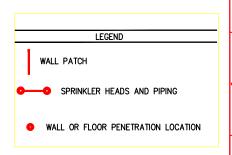


SOC#12-1-5-19 PHOTOS

SOC #12-1-5-12 Corridor C5A5, Smoke barrier penetrations are not properly sealed. ICRA: HIGH RISK Seal around APPROX. (1) 1"diam. hole and (1) 2'x4' hole, in drywall. Patch as per NFPA, where shown.

SOC #12-1-5-19 Corridor C5A8, Suite boundary door has improper hardware. ICRA: LOW RISK Re: DOOR REPLACEMENT SCHEDULE sheet for details.





INFECTION CONTROL RISK, RE: SHEET GI OOI

100% CONSTRUCTION DOCUMENTS - FULLY SPRINKLERED

G NOTES:

1. FULL SIZE V.A. "E" SHEET (AS INDICATED)
2. HALF SIZE V.A. "D" SHEET (1/2 THE INDICATED SCAL

GENERAL NOTES

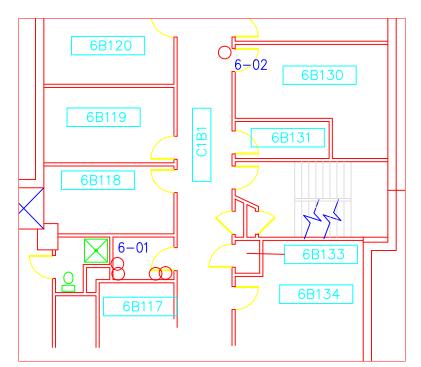
1, SCALED DIMENSIONS & ARCHITECTURAL FEATURES MAY NOT BE CORRECT.
2. CONTRACTORS & A/E's ARE RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS WITHIN THE PROJECT AREA.

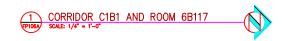
DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER 1055 Clermont Street Denver, Colorado, 80220

BUILDING 1
Sth FLOOR C
SAFETY CORRECTIONS
SS-12-035
SS-12-035
SS-22-035
SS-23-036
SS-2

SOC #12-1-6-01 Room 6B117, Space around utility systems penetrating floor slab not sealed. ICRA: MEDIUM RISK Seal around APPROX. (4) 4"diam. holes as per NFPA, where shown.

SOC #12-1-6-02 Corridor C1B1, Space around utility systems penetrating floor slab not sealed. ICRA: MEDIUM RISK Seal around APPROX. (1) 4"diam. hole, remove insulation, as per NFPA, where shown.





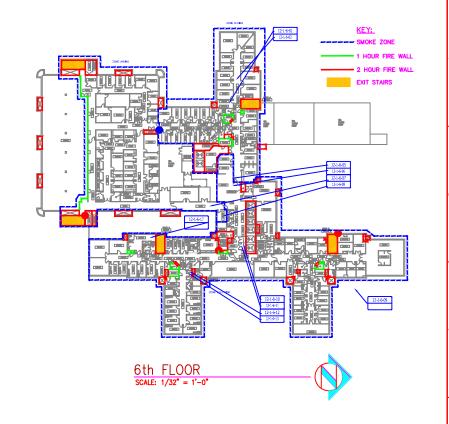


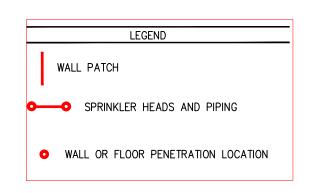


SOC#12-1-6-01 PHOTOS



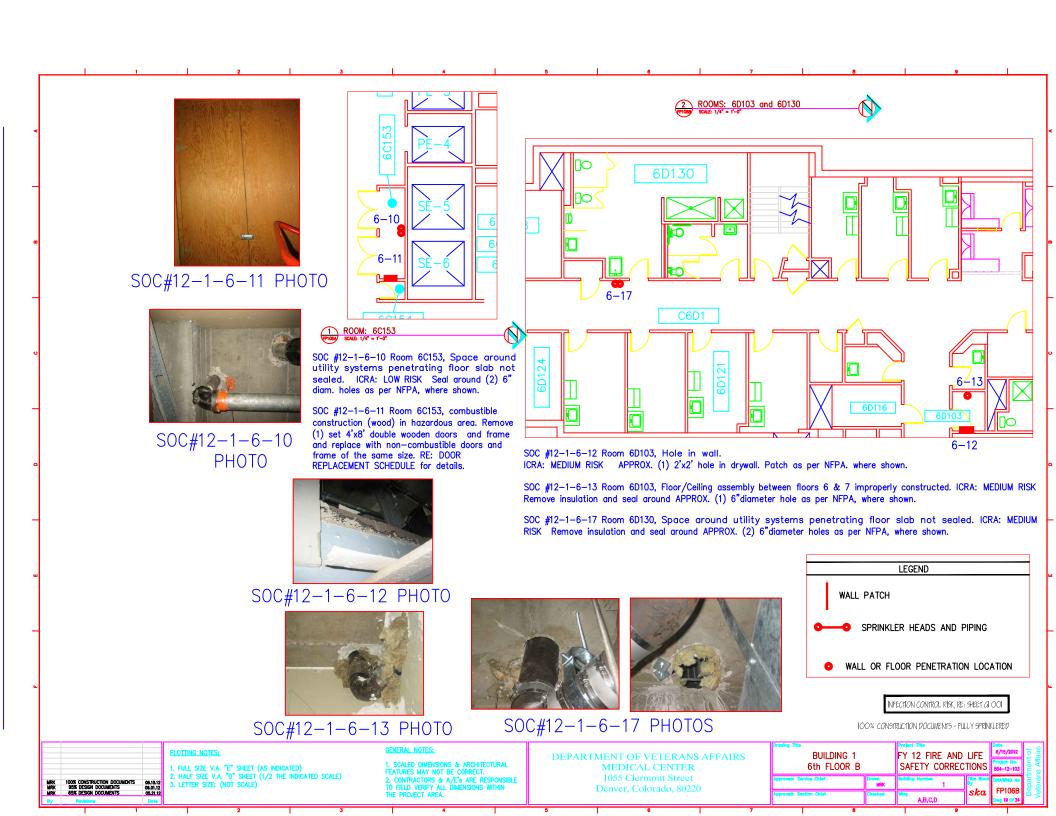
SOC#12-1-6-02 PHOTO

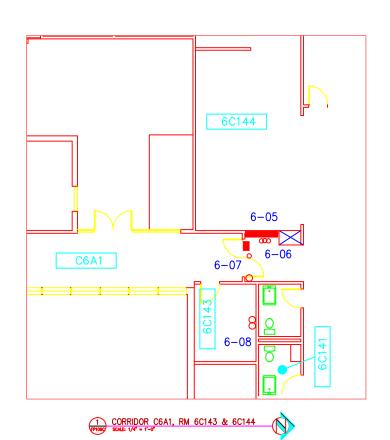




INFECTION CONTROL RISK, RE: SHEET AI OOI

PLOTTING NOTES: FULL SIZE V.A. "E" SHEET (AS INDICATED) HALE SIZE V.A. "E" SHEET (1/2) THE INDICATED SCALE)	NOTE: SCALE & ARCHITECTURAL FEATURES MAY NOT BE CORRECT.	DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER	BUILDING 1 6TH FLOOR A	FY 12 FIRE AND LIFE SAFETY CORRECTIONS	Declaration of the
MRK 100% CONSTRUCTION DOCUMENTS 06.15.12 MRK 95% DESIGN DOCUMENTS 06.01.5.12 MRK 95% DESIGN DOCUMENTS 06.01.5.2 By Revisions Documents 05.2.1.12 By Revisions Documents 05.2.1.12	FIELD. VERIFYL	1055 Clermont Street Denver, Colorado, 80220	Approved: Service Chief Drawn MR9 Approved: Section Chief Checked	Building Number 1 Wing A,B,C,D,E,F	DRAWING No FP 106A Dwg 18 0f 34





SOC #12-1-6-05 Room 6C144, Smoke barrier is improperly constructed, no head wall construction joint. ICRA: HIGH RISK (1) 4'x1' hole in drywall. Patch as per NFPA, where shown

SOC #12-1-6-06 Room 6C144, Smoke barrier penetrations not properly sealed. ICRA: HIGH RISK Seal around APPROX. (3) 4"diameter holes as per NFPA, where shown.

SOC #12-1-6-07 Corridor C6A1, Space around utility systems penetrating floor slab not sealed. ICRA: LOW RISK Seal ground APPROX. (1) 6" diam. and (1) 4"diam. holes and (1) 12"x6" hole in drywall. Patch as per NFPA, where shown.

SOC #12-1-6-08 Room 6C143, Smoke barrier penetrations not properly sealed. ICRA: LOW RISK Seal around APPROX. (2) 2"diameter holes, as per NFPA, where shown.



SOC#12-1-6-05 PHOTO



SOC#12-1-6-06 PHOTO







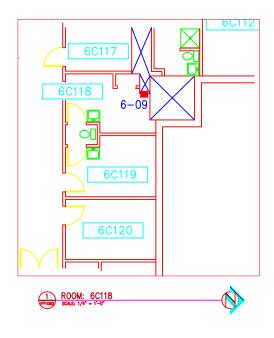
SOC#12-1-6-07 PHOTOS

INFECTION CONTROL RISK, RE: SHEET AI OOI

FY 12 FIRE AND LIFE SAFETY CORRECTIONS

100% CONSTRUCTION DOCUMENTS - FULLY SPRINKLERED **BUILDING 1** DEPARTMENT OF VETERANS AFFAIRS 1. Full size v.a. "E" sheet (as indicated)
2. Half size v.a. "D" sheet (1/2 the indicated scale)
3. Letter size: (not scale) 6th FLOOR C MEDICAL CENTER

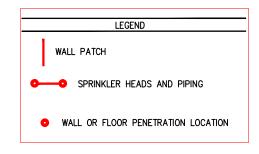
SOC #12-1-6-09 Room 6C118, Space around utility systems penetrating floor slab not sealed. ICRA: HIGH RISK Enclose shaft, APPROX. (1) 1'x2' hole in drywall. Patch as per NFPA, where shown.







SOC#12-1-6-09 PHOTOS



INFECTION CONTROL RISK, RE: SHEET AI OOI

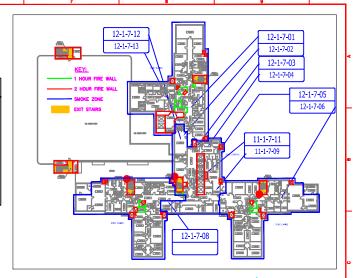


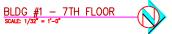
SOC #12-1-7-08 Room 7D102, Smoke barrier does not extend from floor slab to floor slab. ICRA: MEDIUM RISK APPROX. 2'x3' hole in drywall. Patch as per NFPA, where



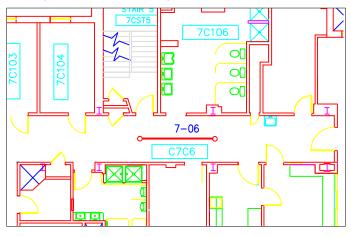
INPATIENT MENTAL HEALTH GENERAL NOTES

- I, ALL WORK ON SITE WILL REQUIRE (2) PEOPLE TO BE PRESENT AT ALL TIMES (MINIMUM), WHERE LADDER ACCESS TO CEILING SPACE ISNEEDED, ONE PERSON WILL BE REQUIRED TO STAND WATCH AT BASE OF LADDER TO ENSURE TOOLS, ETC ARE UNDER GENERAL CONTRACTOR CONTROL AT ALL TIMES.
- 2. ALL EXPOSED SCREW HEADS, RIVETS, BOLTS, ETC SHALL BE TAWPER PROOF TYPE.
- 3. STAFF OF GENERAL CONTRACTOR WILL REFRAIN AT ALL TIMES FROM USING MUSIC DEVICES, HEADPHONES, LOUD CONVERSATIONS, AND FOLL LANGUAGE WHILE ON



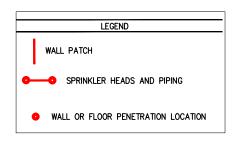


SOC #12-1-7-06 Corridor C7C6, Distance from sprinkler deflector to ceiling is less than 1". ICRA: MEDIUM RISK Replace 2 sprinkler heads w/Quick Response "institutional type" (for use in Mental health areas) heads 1" from ceiling and APPROX. 12 LF piping, where shown. Location shown is approximate, Comply with NFPA regulations as to location, spacing, amount, etc.





SOC#12-1-7-06 PHOTOS



INFECTION CONTROL RISK, RE: SHEET ALOOL

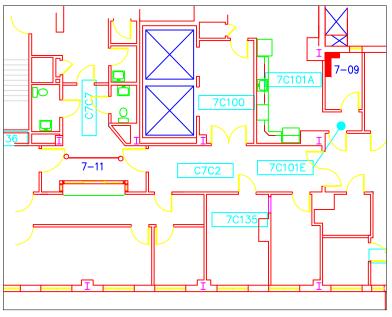
100% CONSTRUCTION DOCUMENTS - FULLY SPRINKLERED

1. FULL SIZE V.A. "E" SHEET (AS INDICATED)
2. HALF SIZE V.A. "D" SHEET (1/2 THE INDICATED SCALE)
3. LETTER SIZE: (NOT SCALE)

DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER Denver, Colorado, 80220

FY 12 FIRE AND LIFE BUILDING 1 7th FLOOR A SAFETY CORRECTIONS SOC #11-1-7-09 Room 7C101E, 2-hour shaft enclosure needs to be enclosed at the top of the deck." Complete shaft to top of deck for 2-hour rating. ICRA: MEDIUM RISK APPROX. (1) 2'x2' hole and (1) 2'x4' hole in drywall. Patch as per NFPA, where shown.

SOC #11-1-7-11 Corridor C7C7, Inadequate sprinkler coverage in the Sally Port. ICRA: MEDIUM RISK Install 2 sprinkler heads w/Quick Response sprinkler heads and APPROX. 12 LF piping, where shown. Location shown is approximate. Comply with NFPA as to spacing, location, amount, etc.









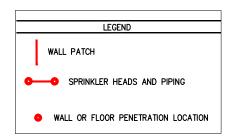
SOC#12-1-7-09 PHOTOS

INPATIENT MENTAL HEALTH GENERAL NOTES

- I, ALL WORK ON SITE WILL REQUIRE (2) PEOPLE TO BE PRESENT AT ALL TIMES (MINIMUM) , WHERE LADDER ACCESS TO CELLING SPACE ISNEEDED, ONE PERSON WILL DE REQUIRED TO STAND WATCH AT BASE OF LADDER TO ENSURE TOOLS, ETC ARE UNDER GENERAL CONTRACTOR CONTROL AT ALL TIMES.
- 2. ALL EXPOSED SCREW HEADS, RIVETS, BOLTS, ETC SHALL BE TAMPER PROOF TYPE.
- 3, STAFF OF GENERAL CONTRACTOR WILL REFRAIN AT ALL TIMES FROM USING MUSIC DEVICES, HEADPHONES, LOUD CONVERSATIONS, AND FOUL LANGUAGE WHILE ON JOBSHE.



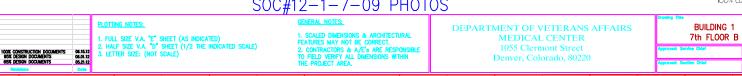
SOC#12-1-7-11 PHOTOS

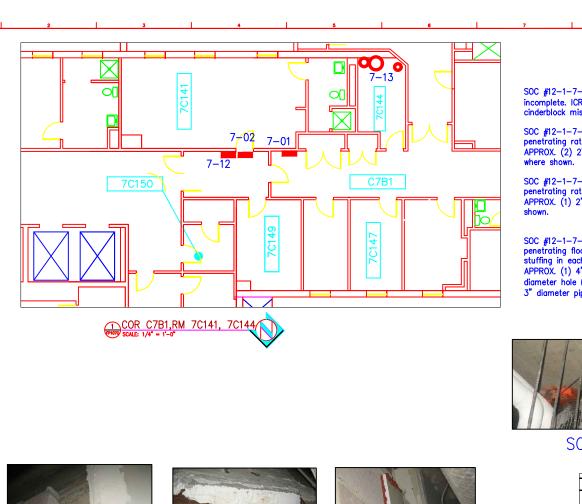


INFECTION CONTROL RISK, RE: SHEET AI OOL

FY 12 FIRE AND LIFE

SAFETY CORRECTIONS





SOC #12-1-7-01 Corridor C7B1, Rated assembly is incomplete. ICRA: LOW RISK Place APPROX. (1) 1'x1' cinderblock missing. Patch as per NFPA, where shown.

SOC #12-1-7-02 Room 7C141, Space around utility systems penetrating rated wall has improper seal. ICRA: LOW RISK APPROX. (2) 2'x2' holes in drywall. Patch as per NFPA,

SOC #12-1-7-12 Room 7C141, Space around utility systems penetrating rated wall has improper seal. ICRA: LOW RISK APPROX. (1) 2'x2' holes in drywall. Patch as per NFPA, where

SOC #12-1-7-13 Room 7C144, Space around utility systems penetrating floor slab not sealed. ICRA: LOW RISK Remove stuffing in each and Seal as per NFPA, where shown, APPROX. (1) 4" diameter pipe, both in and around. (1) 6" diameter hole (remove stuffing), both in and around, and (1) 3" diameter pipe, around.





SOC#12-1-7-13 PHOTO



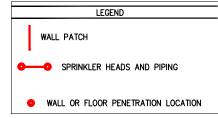
SOC#12-1-7-01 PHOTO



SOC#12-1-7-02 PHOTO



SOC#12-1-7-12 "PHOTO



INFECTION CONTROL RISK, RE: SHEET ALL OOL

100% CONSTRUCTION DOCUMENTS - FULLY SPRINKLERED

1. FULL SIZE V.A. "E" SHEET (AS INDICATED)
2. HALF SIZE V.A. "D" SHEET (1/2 THE INDICATED SCALE)
3. LETTER SIZE: (NOT SCALE)

DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER Denver, Colorado, 80220

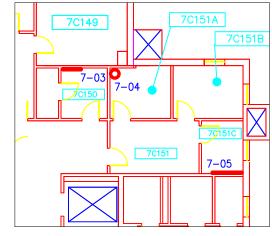
BUILDING 1 FY 12 FIRE AND LIFE 7th FLOOR C SAFETY CORRECTIONS ska





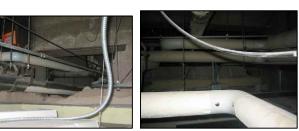


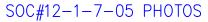
SOC#12-1-7-03 PHOTOS











SOC #12-1-7-03 Room 7C150, Space around utility systems penetrating rated wall not sealed. ICRA: LOW RISK Incomplete cinderblock wall, build approx. 2'x4' to complete, seal around pipes, approx. (4) 4" diameter, as per NFPA, where shown.

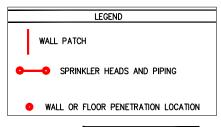
SOC #12-1-7-04 Room 7C151A, Space around utility systems penetrating floor slab not sealed. ICRA: LOW RISK Seal around APPROX. (1) 6"diameter hole as per NFPA, where shown.

SOC #12-1-7-05 Room 7C151C, Space around utility systems penetrating rated wall not sealed. ICRA: LOW RISK APPROX. (1) 2'x2' hole in drywall. Patch as per NFPA, where shown.



SOC# 12-1-7-04 PHOTOS





INFECTION CONTROL RISK, RE: SHEET ALOOL

100% CONSTRUCTION POCUMENTS - FULLY SPRINKLERED

PLOTTING NOTES:

1. FULL SIZE V.A. "E" SHEET (AS INDICATED SCALE)

1. FULL SIZE V.A. "E" SHEET (AS INDICATED SCALE)

2. CONTRACTORS & AFRICATIONS WITHIN THE PROJECT AREA.

DEPARTMENT OF VETERANS AFFAIRS

MEDICAL CENTER

1. SCALED DIMENSIONS & ARCHITECTURAL. FEATURES MAY NOT BE CORRECT.

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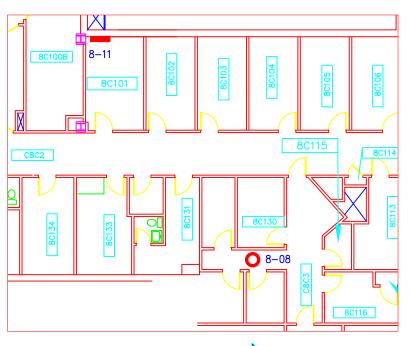
1. SCALED DIMENSIONS & ARCHITECTURAL. FEATURES MAY NOT BE CORRECT.

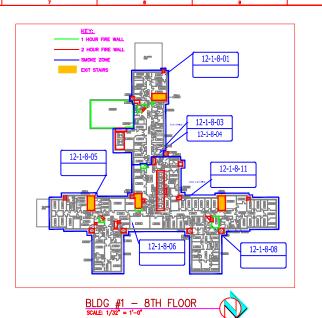
1. SCALED DIMENSIONS & ARCHITECTURAL. FEATURES MAY NOT BE CORRECT.

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1. SCALED DIMENSIONS & ARCHITECTURAL. FEATURES MAY NOT BE





Room 8C101 and 8C115

<u></u>

SOC #11-1-8-08 Room 8C115, Mixed sprinkler heads. ICRA: LOW RISK Replace 1 Fire Sprinkler head where shown, match existing majority. Location shown is approximate, Comply with NFPA as to spacing, location, etc.

SOC #11-1-8-11 Room 8C101, 2-hour shaft doesn't continue slab to slab. ICRA: LOW RISK APPROX. (1) 4'x2' hole in drywall. Patch as per NFPA, where shown.





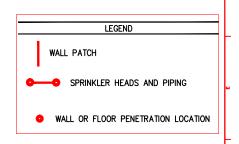








SOC#11-1-8-11 PHOTOS



INFECTION CONTROL RISK, RE: SHEET GI OOI

100% CONSTRUCTION DOCUMENTS - FULLY SPRINKLERED

MRK	100% CONSTRUCTION DOCUMENTS	06.15.12
	95% DESIGN DOCUMENTS	06.01.12
MRK		

PLOTTING NOTES:

1. Full size v.a. "e" sheet (as indicated)
2. Half size v.a. "d" sheet (1/2 the indicated scale)
3. Letter size: (not scale)

1. SCALED DIMENSIONS & ARCHITECTURAL FEATURES MAY NOT BE CORRECT. 2. CONTRACTORS & A/E's ARE RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS WITHIN THE PROJECT AREA.

DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER 1055 Clermont Street Denver, Colorado, 80220

7	PULL DING 1	FY 12 FIRE AND LIFE		8/15/2012	to <u>s</u>	
L	BUILDING 1 8th FLOOR A		SAFETY CORRECTIONS		Project No. 554-12-103	ment is Affa
ľ	pproved: Service Chief	Drown MRK	Building Number 1	Title Block By	DRAWING No	epart terar
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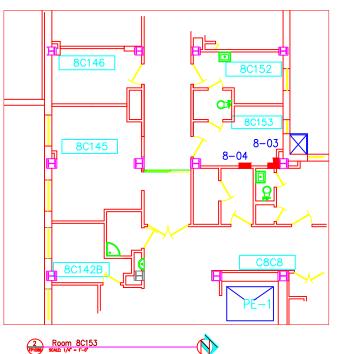




SOC#12-1-8-03 and SOC#12-1-8-04 PHOTOS



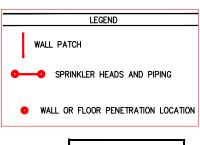
SOC#12-1-8-01 PHOTO



SOC #12-1-8-03 Room 8C153, Space around utility systems penetrating rated wall not sealed.

ICRA: MEDIUM RISK Seal APPROX. (1)
1'x4' drywall patch as per NFPA, where

SOC #12-1-8-04 Room 8C153, Space around utility systems penetrating floor slab has improper seal. ICRA: MEDIUM RISK Patch APPROX. (1) 1'x1' hole in drywall. Patch as per NFPA, where shown.



INFECTION CONTROL RISK, RE: SHEET AI OOI

100% CONSTRUCTION DOCUMENTS - FULLY SPRINKLERED

MINK 100S CONSTRUCTION DOCUMENTS OBJUSTS 050 MISSION DOCUMENTS 04,01.12 MINK 050 MISSION DOCUMENTS 04,21.12 MINK 050 MISSION DOCUMENTS 04,21.12 MINK 050 MISSION DOCUMENTS 05.21.12 MINK 050 MIN

ro.

1. FULL SIZE V.A. "E" SHEET (AS INDICATED)
2. HALF SIZE V.A. "D" SHEET (1/2 THE INDICATED SCALE)
3. LETTER SIZE: (NOT SCALE)

GENERAL NOTES

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DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER 1055 Clermont Street Denver, Colorado, 80220

BUILDING 1
BUILDING 1
Sth FLOOR B

Approved: Service Clair

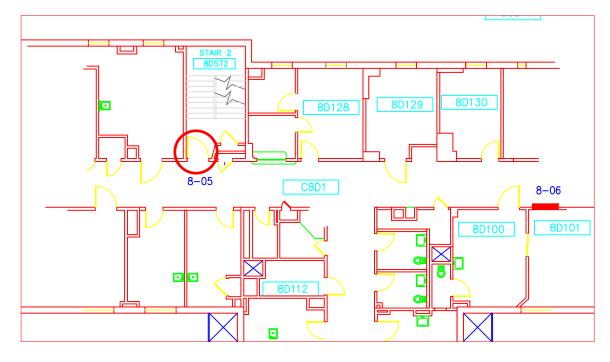
Consequence: Service: Clair

Consequence: Clair

Consequen

SOC #12-1-8-05 Stairway 8DST2, Rated door is missing fire exit hardware. ICRA: MEDIUM RISK Replace door and frame with 2-hour fire door and hardware. RE: DOOR REPLACEMENT SCHEDULE for details.

SOC #12-1-8-06 Corridor C8D1, Hole in floor slab/ceiling assembly. Seal hole w/ an approved rated material. ICRA: MEDIUM RISK APPROX. (1) 1'x1' hole in floor slab. Patch as per NFPA, where shown.



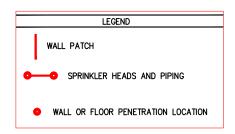




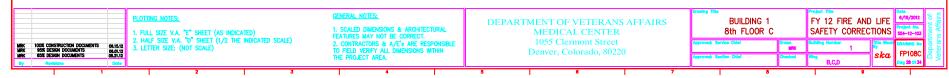
SOC#12-1-8-05 PHOTO

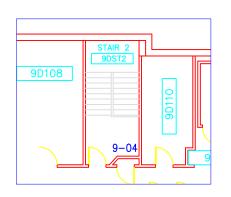


SOC#12-1-8-06 PHOTO



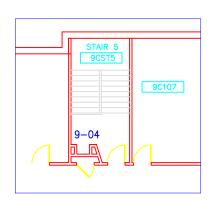
INFECTION CONTROL RISK, RE: SHEET AI OOI







SOC #11-1-9-04 Stairway 9DST2 and 9CST5, 2-hour stairwell enclosure has access panels. Replace frame, door and hardware w/ assembly as per NFPA. Existing 30"x24" doors, RE: DOOR REPLACEMENT SCHEDULE sheet for details. Both ICRA: LOW RISK

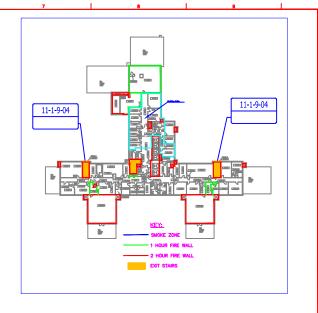


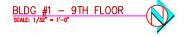


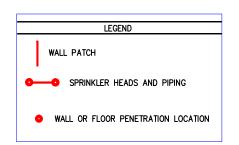


SOC#12-1-9-04 PHOTOS









INFECTION CONTROL RISK, RE: SHEET AI OOI

100% DESIGN DOCUMENTS - FULLY SPRINKLERED

MRIK 100X CONSTRUCTION DOCUMENTS 00.15.12
MRIK 95X DESIGN DOCUMENTS 00.21.12
MRIK 65X DESIGN DOCUMENTS 05.21.12
By Verialization Design Design Documents

LOTTING NOTES:

1. FULL SIZE V.A. "E" SHEET (AS INDICATED)
2. HALF SIZE V.A. "D" SHEET (1/2 THE INDICATED SCALE)
3. LETTER SIZE: (NOT SCALE)

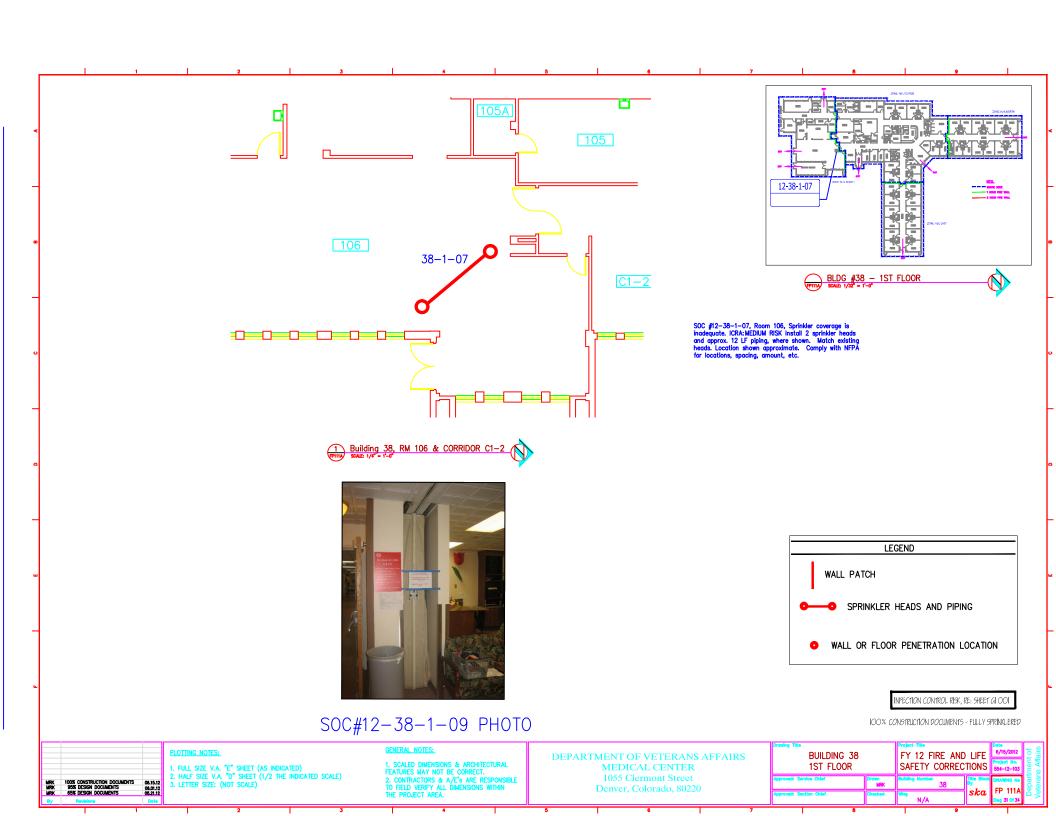
GENERAL NOTES

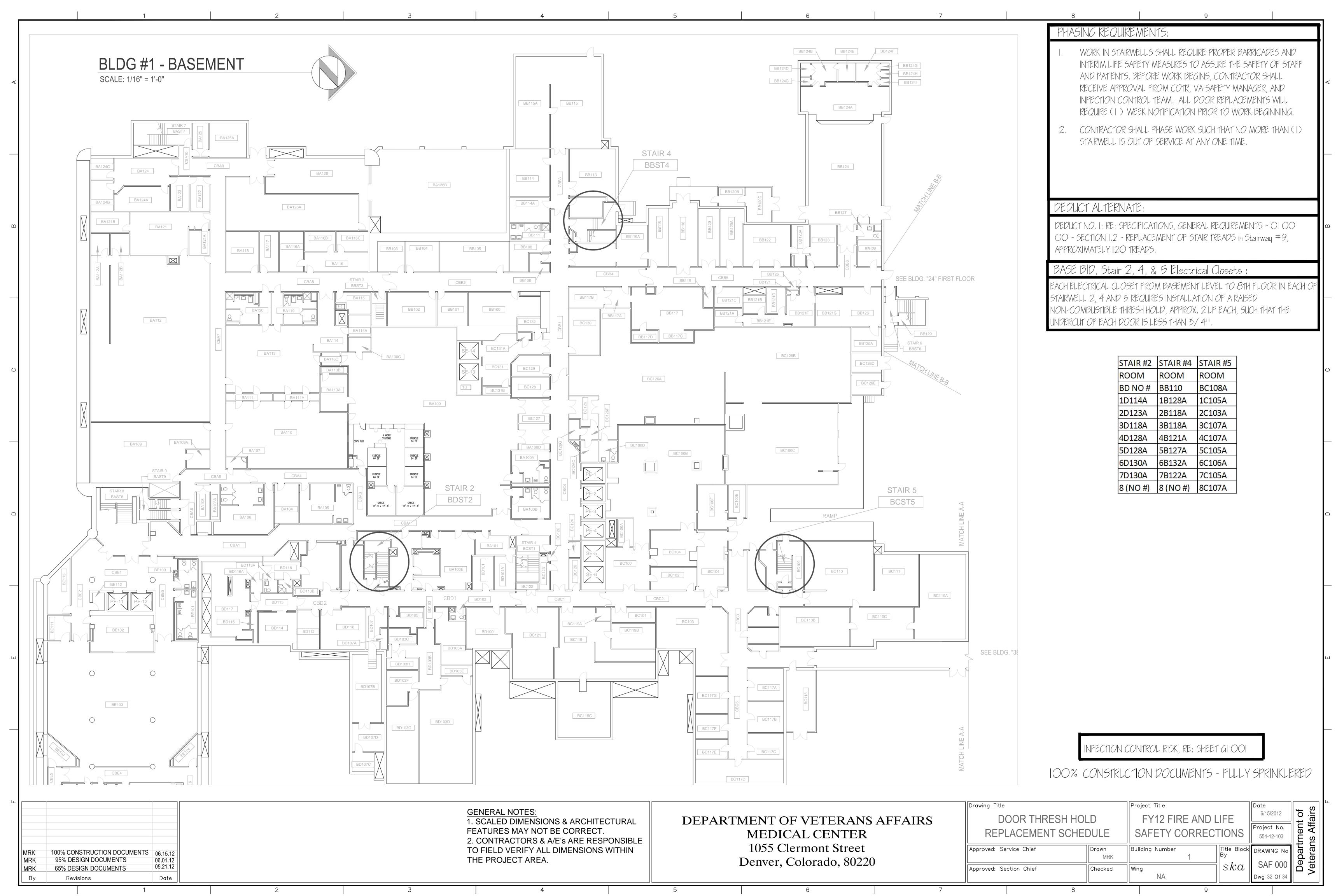
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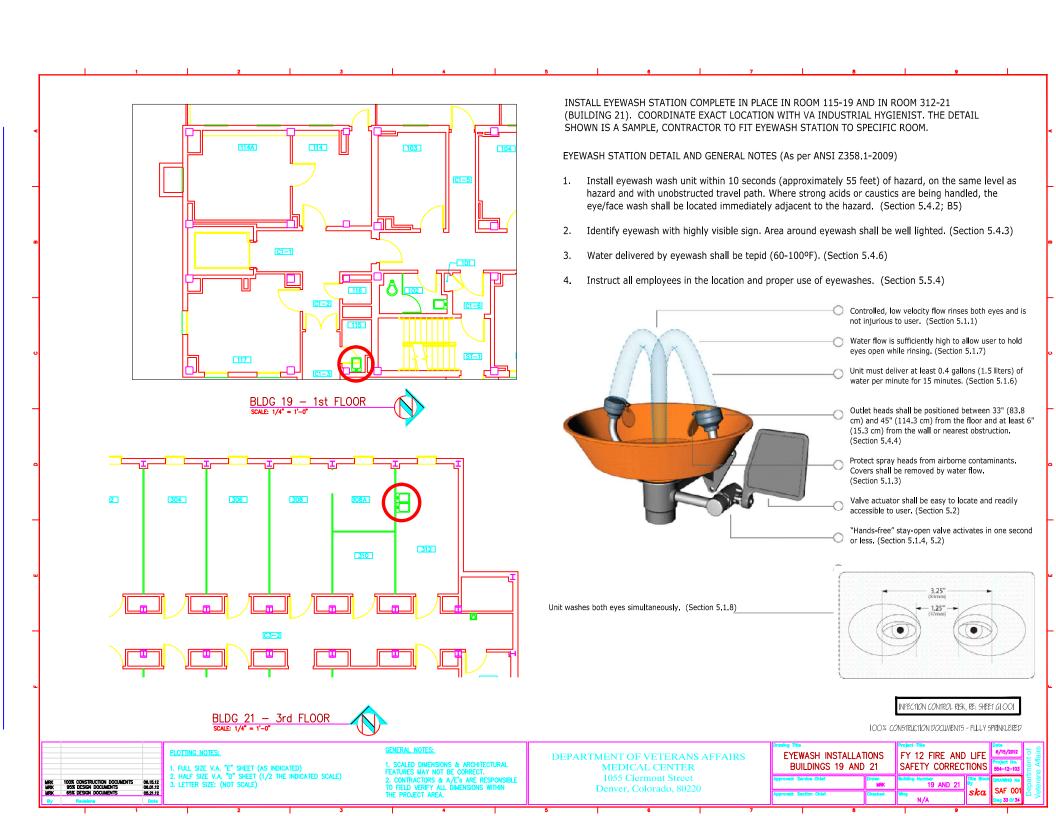
DEPARTMENT OF VETERANS AFFAIRS
MEDICAL CENTER
1055 Clermont Street
Denver, Colorado, 80220

BUILDING 1
Street Stree

SOC #12-1-10-01 Room 10C100, No AASS installed under fixed obstructions over 4' wide. Install 1 sprinkler SOC #12-1-10-04 Room 10C100,, Install 2-hour rated enclosure around condensate pipe. Provide new insulation around condensate pipe. Label enclosures as to pipe function. ICRA: LOW RISK, APPROX. 22 LF head in each location (2), plus 10 LF piping where shown. Match exisiting in type. Location shown approximate. Comply with NFPA for spacing, location, amount, etc. ICRA: LOW RISK enclosure for both locations. SOC #12-1-10-02 Room 10C100, Combustible stairs in a mechanical room w/ AHU's. Remove and replace SOC #12-1-10-05 Room 10C100, Penetration of the floor assembly w/ mechanical equipment hoist, no rated combustible stairs with non-combustible stairs in accordance with OSHA 1910.24, "Fixed Industrial Stairs: and door. ICRA: LOW RISK, Replace 2 sets of hoist doors (existing 48"x72") with a Fire rated assembly, where OSHA 1910.23, Rails. Contractor to submit stairs' shop drawings prior to installation. ICRA: LOW RISK shown. RE: DOOR REPLACEMENT SCHEDULE for details. SOC #12-1-10-03 Room 10C100, Room opens directly into exit enclosure. ICRA: LOW RISK, Replace APPROX. SOC #12-1-10-06 Room 10C100, Combustible stairs in a mechanical room w/ AHU's. Remove and replace 2 LF steel pipe with copper pipe, put in a dielectric union. combustible stairs with non-combustible stairs in accordance with OSHA 1910.24, "Fixed Industrial Stairs: and OSHA 1910.23, Rails. Contractor to submit stairs' shop drawings prior to installation. ICRA: LOW RISK SOC#12-1-10-01 SOC#12-1-10-02 SOC#12-1-10-06 SPRINKLER, **PHOTOS PHOTO** PHOTO 10 - 0210C100 **PIPING** SOC#12-1-10-03 PHOTOS SOC#12-1-10-05 PHOTOS 10-01 plus approx. 10-03 10 LF piping FLOW SWITCH REPLACE PIPE 10-05 AND TAMPER NFFD **DIELECTRIC** UNION 10-04 LEGEND **EXISTING DRAIN** WALL PATCH LINE, ENCLOSE 10-06 10-05 SPRINKLER HEADS AND PIPING STAIR 1 WALL OR FLOOR PENETRATION LOCATION RE-INSULATE PIPE AND ENCLOSE, INFECTION CONTROL RISK, RE: SHEET ALOO MODIFY RAILING AS Building 1, 10th floor SOC#12-1-10-04 PHOTOS 100% DESIGN DOCUMENTS - FULLY SPRINKLERED NEEDED. FY 12 FIRE AND LIFE BUILDING 1 DEPARTMENT OF VETERANS AFFAIRS 1. FULL SIZE V.A. "E" SHEET (AS INDICATED)
2. HALF SIZE V.A. "D" SHEET (1/2 THE INDICATED SCALE)
3. LETTER SIZE: (NOT SCALE) 10TH FLOOR A SAFETY CORRECTIONS MEDICAL CENTER Denver, Colorado, 80220







ALL DOORS TO BE FACTORY FINISHED, INCLUDING PAINT/ SEAL AND NFPA CERTIFIED AND LABELLED, PRIOR TO BEING BROUGHT ON-SITE.

NOTES						
	DOUBLE DOORS, REQUIRES WINDOW FOR TOP HALF OF DOOR, LIKE EXISTING					
2	REPLACE ALL ASSOCIATED HARDWARE, PANIC HARDWARE (VON DUPRIN 99 OR					
	EQUIVALANT)					
3	INSTALL GASKETING AS PER NFPA REGULATIONS, ACCORDING TO SPECIFIC DOOR					
	TYPE					
4	DOOR FRAME SET IN CONCRETE, NEEDS TO BE REMOVED AND NEW FRAME SET					
5	DOUBLE DOORS, REQUIRES A WINDOW IN EACH DOOR, LIKE EXISTING, FACTORY					
<i>2</i>	FINISHED, WITH RED "SMOKE DOOR" DESIGNATION STRIPES.					
6	LOCKABLE DOUBLE DOORS, NON-COMBUSTIBLE BUILDING CONSTRUCTION, MIN.					
0	CLASS 2					
7	ROOF HATCH DOORS, AS PER NFPA					
8	FLOOR EQUIPMENT HOIST DOORS, AS PER NFPA					

DOOR REPLACEMENT SCHEDULE									
FLOOR/ROOM	REPLACE DOOR	REPLACE FRAME	REPLACE HARDWARE	DOOR SIZE	FIRE RATING	SINGLE/ DOUBLE	VISION LITE	SWING	NOTES
BASEMENT/BET W BLDGS & 24	Y/METAL	YES	YES	44" X 83"	1.5 HR	SINGLE	YES	LH/BLDG1	2, 3, 4
2/20100	Y/METAL	YES	YE5	72" X 83"	45 MIN	DOUBLE	YE5	IN TO ELEV	2, 3, 4, 5
2/2F5111	Y/W00D	YES	YE5	44" X 83"	1.5 HR	SINGLE	YES	RH/OUT 10 5T	2,3
5/CORR. C5A8	Y/METAL	YES	YE5	96" X 84"	1.5 HR	DOUBLE	SEE NOTES	OUT TO COR	1, 2, 3
6/6CI53	YES	YES	YES	96" X 96"	N/A	DOUBLE	NO	OUT TO CLOS	6
8/80512	Y/METAL	YES	YES	44" X 83"	1.5 HR	SINGLE	YES	RH/OUT 10 5T	2,3
9/90512	Y/METAL	NO	YES	30" X 24"	1.5 HR	SINGLE	NO	SEE NOTES	2, 3, 7
9/9C5T5	Y/METAL	NO	YES	30" X 24"	1.5 HR	SINGLE	NO	SEE NOTES	2, 3, 7
10/100100	Y/METAL	NO	YE5	48" X 72"	1.5 HR	SINGLE	NO	SEE NOTES	2, 3, 8
10/100100	Y/METAL	NO	YE5	48" X 72"	1.5 HR	SINGLE	NO	SEE NOTES	2, 3, 8

INFECTION CONTROL RISK, RE: SHEET GI OOI

100% CONSTRUCTION DOCUMENTS - FULLY SPRINKLERED

MRK 100% CONSTRUCTION DOCUMENTS 06.15.12
MRK 95% DESIGN DOCUMENTS 06.01.12
MRK 65% DESIGN DOCUMENTS 05.21.12
By Revisions Date

GENERAL NOTES:

1. SCALED DIMENSIONS & ARCHITECTURAL
FEATURES MAY NOT BE CORRECT.

2. CONTRACTORS & A/E's ARE RESPONSIBLE
TO FIELD VERIFY ALL DIMENSIONS WITHIN
THE PROJECT AREA.

DEPARTMENT OF VETERANS AFFAIRS
MEDICAL CENTER
1055 Clermont Street
Denver, Colorado, 80220

Drawing Title		Project Title
DOOR REPLACEMEI SCHEDULE	FY12 FIRE AND SAFETY CORRE	
Approved: Service Chief	Drawn	Building Number
	1	
Approved: Section Chief	Checked	Wing

Date
6/15/2012
Project No.
554-12-103

Title Block
By
SAF 002
Dwg 34 0f 34

Ska
Date
6/15/2012

Project No.
554-12-103